

# **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**Terre Haute Coke & Carbon  
Middle Parcel  
1341 Hulman Street  
Terre Haute, Indiana**

**September 29, 2007**

BCA Project No. 7803/07-083



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**Prepared For:**

**Department of Engineering,  
City of Terre Haute**

**Respectfully Submitted by:  
BCA Consultants, Inc**

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## 1.0 SUMMARY

BCA Consultants, Inc. has performed a Phase I Environmental Site Assessment for the “Middle Parcel” of the former Terre Haute Coke & Carbon site located at 1341 Hulman Street in Terre Haute, Indiana.

The former Terre Haute Coke and Carbon (THCC) site consists of three parcels totaling 61.6 acres bounded by 13<sup>th</sup> Street on the west, Hulman Street on the north and the Railroad right-of-way on the east. The North, Middle and South parcels include approximately 24.5 acres, 17.9 acres and 19.2 acres, respectively. The North and South parcels are currently owned by Vigo County and the Middle parcel is owned by the Terre Haute Redevelopment Commission. The site operated as a coke and manufactured gas production facility from 1926 to 1988. The buildings and storage tanks were largely removed in the late 1980s and the site has been vacant since then.

The “Middle Parcel” was the location of the Southern Indiana roundhouse, shops and rail sidings for the Chicago, Milwaukee, St. Paul & Pacific RR and later the Chicago, Terre Haute & South Eastern RR. The parcel is currently vacant.

Environmentally significant information pertaining to the parcel was found during the course of this investigation includes:

- , Former use of the subject parcel for rail yard operations
- , the presence of coke, coal ash and cinders on the ground surface
- , former operation of the adjoining “North Parcel” as a Coke and Carbon plant
- , former operation of the adjoining “South Parcel” as a waste storage and disposal site for the coke and carbon plant.

See sections 8 through 10 of this report for details of BCA’s findings, opinions, and conclusions.

## **2.0 INTRODUCTION**

### **2.1 Purpose**

BCA Consultants, Inc. (BCA) was requested by Patrick Martin, Chief Planner, Department of Engineering of the City of Terre Haute to perform a Phase I Environmental Site Assessment (ESA) of a portion of the Terre Haute Coke & Carbon (THCC) site known as the "Middle Parcel" located at 1341 Hulman Street in Terre Haute, Indiana (Subject Site). The following report presents the information obtained during the investigation and provides conclusions, opinions, and recommendations based on our findings.

### **2.2 Detailed Scope-Of-Services**

BCA performed this Phase I Environmental Site Assessment pursuant to the scope of work requested by the client. This work was performed in accordance with the "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM E1527-05 with the exceptions noted in Section 2.4 below. To accomplish the goals set forth in the Standard, BCA personnel conducted historical research, a review of public records, interviews and a site visit. No services that are beyond the scope of the ASTM Standard were provided in the preparation of this Phase I report.

The scope of historical research conducted by BCA in the preparation of this Phase I site assessment included a search of Sanborn Fire Insurance Map coverage for the area of and around the subject property, a review of available city directory listings for addresses near the subject property, and a review of historical aerial photographs of the subject property and surrounding land. The historical research also included a chain of title and environmental lien search.

The public records search included an examination of US EPA and Indiana Department of Environmental Management (IDEM) computer databases for sites that fall within the search radii that are published in the Standard. An effort was made to find specific information about sites that were identified in this database search. This effort included a review of files that are available at the IDEM public file room.

The site visit portion of the assessment included an inspection of those parts

of the subject and neighboring properties that could be seen from the site and from public rights-of-way. Appropriate notation was made as required by the Standard and areas of interest were photographed.

### **2.3 Significant Assumptions**

Assumptions made in the preparation of this report include the assumption that the environmental records that were obtained at the IDEM and US EPA internet sites are complete and up-to-date. It also has been assumed that information on groundwater flow in an area can *in general* be extrapolated from the local topography, surface drainage, investigations from local LUST and VRP sites, and published reports. BCA has assumed that all persons that were interviewed for this report have been truthful in their answers.

### **2.4 Limitations and Exceptions**

BCA based the conclusions of this Phase I report upon the information described herein subject to the limitations attached to or described in the report. Because of the limited nature of the inquiry, BCA makes no warranties, either express or implied, that the site is free of contamination. BCA does warrant, however, that it performed this assessment in accordance with the level of care and skill ordinarily exercised by other persons or entities currently performing similar work and practicing under similar conditions.

### **2.5 Special Terms and Conditions**

No Special terms or conditions apply to this Phase I report.

### **2.6 User Reliance**

BCA makes this report for the benefit of the party requesting this report (the User) who may rely upon it. A copy of the report may be given to a lender, investor or purchaser of the property covered by the report. The reliance on this report by any person or party (other than the User) is limited by the ASTM standard since a third party is not the User and has not fulfilled User Obligations. ASTM E1527-05 specifies that a report completed less than 180 days previously is presumed to be valid.

### **3.0 SITE DESCRIPTION**

#### **3.1 Location and Legal Description**

The subject site is described as Tuells Sub Lots 1 - 5, on 17.93 acres of land out of approximately 62 acres of land that is situated in the west 1/2 of the northeast 1/4 of section 34, T12N R9W, in the City of Terre Haute, Harrison Township, Vigo County, Indiana (Figure 1). A full legal description is provided in Appendix B (Tab 2).

#### **3.2 Site and Vicinity General Characteristics**

The site is situated within the City of Terre Haute. The area is largely industrial and residential.

#### **3.3 Current Uses of the Property**

The THCC site consists of three parcels totaling approximately 62.6 acres of land. The Middle Parcel, approximately 17.9 acres in size, is the subject site for this report. The property is vacant.

#### **3.4 Descriptions of Structures, Roads, Other Improvements on The Site**

The subject site is currently vacant. The subject site has electricity, natural gas, and city water and sewer available to it.

#### **3.5 Current Uses of the Adjoining Properties**

The adjoining property to the east is the CSX Railroad. The adjoining properties to the west and south are the north and south parcels of the former THCC and are vacant. The far western edge of the Subject site adjoins 13<sup>th</sup> Street, beyond which is commercial properties, a power substation, and residential properties.

## **4.0 USER PROVIDED INFORMATION**

### **4.1 Title Records**

Title records/Property Owner History were provided by Vigo-Wade Abstract and Title Company, for this report (Appendix B, Tab 2).

### **4.2 Environmental Liens**

A search for environmental liens was conducted by Vigo-Wade Abstract. No environmental liens on the property were identified.

### **4.3 Specialized Knowledge**

No specialized knowledge was used in the preparation of this report.

### **4.4 Commonly Known or Reasonably Ascertainable Information**

No commonly known or reasonably ascertainable information was used in preparation of this report.

### **4.5 Valuation Reduction for Environmental Issues**

Although no valuation of the property is known, its value is believed to have been reduced due to real or perceived environmental contamination.

### **4.6 Owner, Property Manager, and Occupant Information**

The property is currently owned by the Terre Haute Redevelopment Commission who acquired the property from the Vigo County Commissioners in 2004. A copy of the Tax Title Deed is included in Appendix B, Tab 2. The property was last occupied by Terre Haute Coke & Carbon, who attempted to relaunch operations at the facility in 1988. The property is currently vacant.

### **4.7 Reason for Performing Phase I**

The User requested this Phase I ESA to satisfy one of the requirements for limited liability protection under CERCLA and the need to understand potential environmental conditions that could materially impact the operation of a future business associated with the subject site.

## 5.0 RECORDS REVIEW

### 5.1 Standard Environmental Record Sources

Public records of the Indiana Department of Environmental Management (IDEM) and those of the U.S. Environmental Protection Agency (EPA) available to electronic databases were searched by FirstSearch to determine if there had been any environmental reports, permits, incidents, or similar events specified in the Standard at or near the subject site (Appendix A, Tab 1).

Based on our review of the records, it appears that:

- a) One Federal National Priorities Listed (NPL) site is currently located within one mile of the site:

International Minerals (E. Plant)

Lockport Road

ID: INT190010876

Status: DELISTED

This site is located 0.25 mile southeast of the Subject Site (per the FirstSearch report. However, based on site reconnaissance it is located due south of the Subject Site. The International Minerals and Chemicals Corp (IMC) site covers 20 acres of land in Terre Haute. Commercial Solvents Corp manufactured the insecticide BHC (benzene hexachloride) at this site, known as the Terre Haute East Plant, from 1946 to 1954. IMC purchased Commercial Solvents in 1975. In 1980, IMC excavated 14,392 cubic yards of contaminated soil, piping, vegetation, and debris from the former BHC production area. Soil contaminated with BHC was also excavated at a former off-site disposal area. The excavated material was combined and deposited as a mound on 1.2 acres of East Plant property. The mound was capped with clay and fill. Groundwater at the site is contaminated with BHC isomers, according to analyses conducted by the State and EPA. The site was de-listed from the NPL in February, 1991.

- b) Four Federal Comprehensive Environmental Response,

Compensation, and Liability Information System Archived Sites (CERCLIS NFRAP) are currently located within one-half mile of the facility:

Indiana Gas and Chemical Corporation  
1341 Hulman St

ID: IND006041495                      Status: NFRAP - N

This is the North Parcel, located adjacent to the west and north of the Subject parcel. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List.

Vego (Vigo) Chemical Company  
1617 Idaho St

ID: IND000201277                      Status: NFRAP - N

This site is located 0.20 mile northeast of the subject site. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List.

Wabash Products Company Inc  
1600 Hulman St

ID: IND006032593                      Status: NFRAP - N

This site is located 0.23 mile northeast of the subject site. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List. This site was deferred to RCRA corrective action for closure of drum storage facilities.

Ulrich Chemical Inc  
1140 Lockport Road

ID: IND072081169                      Status: NFRAP - N

This site is located 0.33 mile southwest of the subject site. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List.

- c) No RCRA Transport, Storage, or Disposal (TSD) facilities are located within one mile of the site.
- d) Three RCRA Corrective Action Sites are currently located within one mile of the subject site:

Hydrite Chemical Co  
1330 Lockport Rd  
ID: IND984866541/CA

The site is located 0.38 mile southwest of the subject parcel. According to available EPA records, this site is a conditionally exempt small quantity generator of hazardous waste including spent halogenated and non-halogenated solvents; inorganic solids; metal scale, filings, or scrap; and remediation wastes.

Ulrcih Chemical Inc  
1400 Lockport Road  
ID: IND072081169/CA

This site is located 0.55 mile southeast of the subject parcel. According to EPA records, this site is a manufacturer and wholesaler of a wide range of chemicals. It is also listed as a RCRA TSD and a large quantity generator of hazardous wastes. This site has had several violations and enforcement actions as a TSD.

National Steel Products Company  
1033 Crawford St  
ID: IND006033880/CA

Also known as Specialty Blanks, Inc., this site is located 0.99 mile northwest of the subject parcel.

- e) No RCRA hazardous waste generators are reported on the subject site or adjoining properties.
- f) No state-listed cleanup sites are located within one mile of the site.

- g) No operating landfill or solid waste disposal facilities are located within one-half mile of the subject site.
- h) Two registered Underground Storage Tank (UST) sites are located on the subject site or on properties adjacent to the site:

Terre Haute Coke and Carbon Corp/Indiana Gas and Chemical Corp

1341 Hulman St

FID: 20881, 4167

This site is the THCC North Parcel which is adjoins the Subject Site parcel on the west and north sides. According to IDEM records, three 1000 gallon tanks were registered to Indiana Gas and Chemical Corp. (ID: 4167) and are listed as permanently out of service. Tank status is unknown, and no records of tank removal or closure were found. ID 20881 was given to Terre Haute Coke and Carbon but no other information was available for this ID number.

CMC Terre Haute

1450 Hulman St

FID: 22133

This site is located adjacent across Hulman St, to the north of the subject site. It is shown as having a 1000 gallon unregulated UST that was installed in 2001 for CMC Real Estate Corp.

- i) Three Leaking Underground Storage Tank (LUST) sites are located within one-half mile of the subject site:

Wabash Products

1600 Hulman St

FID: 7187

LUST Incident # 199912503

Priority: Low

Status: NFA-94

The site is located 0.23 mile northeast of the subject property. This is a low priority site where soil impact had been found,

and has been given NFA status by the UST Branch Guidance Manual.

Ulrich Chemical Inc  
1140 Lockport Rd  
FID: 20034  
LUST Incident # 198604071

Priority: Low

Status: Active

The site is located 0.33 mile southwest of the subject property. This is an active low priority site where soil impact from petroleum product was found. Tank status is unknown.

Central Transport  
2345 S 13<sup>th</sup> St  
FID: 24040  
LUST Incident #: 200003514

Priority: Low

Status: Active

This site is located 0.34 mile southwest of the subject property. It is an active, low priority site. According to IDEM records, this site had two 4000 gallon diesel tanks and two 6000 gallon diesel tanks all of which were removed on August 9, 1999.

- j) One state record of a reported spill was found for the subject property or adjoining properties:

Industrial  
1341 Hulman St  
Spill Incident #: 199108133

This is associated with the subject site. This is a spill or release of an unknown substance from drums on the site. The spill was considered hazardous, and reportedly affected an area of 1 square mile.

## **5.2 Additional Environmental Records**

No IDEM Voluntary Remediation sites are situated within one-half mile of the subject property. Past investigations/reports regarding environmental conditions at the site include:

- 1) Decommissioning of the plant in the late 1980s, report by Keramida Environmental, requested by City, refused by Keramida/Hulman. The plant decommissioning reports from the late 1980s, if provided, may indicate whether any initial remedial activity was conducted beyond removal of structures. It may also provide detail regarding condition and location of tar and liquid storage vessels, disposal areas, and utility lines.
- 2) Phase II Environmental Site Assessment reports on the North and South parcels dated 2001 to 2003 by Trinity Environmental Group, Inc. (TEG). The 2001-2003 Phase II ESAs on the North and South parcels included soil and limited groundwater samples collected at gridded intervals of 200 feet with follow-up samples placed at 100-foot intervals near locations of highest impact. Sample locations do not appear to have been based on specific past operations at specific locations. The investigations identified coal and coal tar impacted soil and groundwater on the North parcel and impacted soil on the South parcel. Shallow soil was found to exceed the IDEM RISC IDCL for metals and/or PAHs for nearly all of the Northern and most of the Southern parcels. Deeper soil and groundwater impact from (apparent) coal tar was also identified. The 2003 IDEM comment letter recommended several specific soil and groundwater investigation tasks for the site including surveying locations of former structures and producing a site map that accurately portrays sampling locations.
- 3) IDEM Brownfields Comment Letters regarding the TEG reports and dated 2001 and 2003.
- 4) Soil and Groundwater Sampling, Additional Soil and Groundwater Sampling, and Remediation Work Plan for the Hulman Street Storm Sewer Outlet Project, (located along the eastern edge of the Middle

and South parcels), all dated in 2005 by ATC Associates, Inc. The 2005 investigation study area was limited to the eastern edge of the Middle parcel and no sampling has been conducted in the remainder of the parcel.

- 5) A summary of past investigations, remedial options, and redevelopment issues, dated May, 2005, by Midwest Consultants (a Rose Hulman senior student project).
- 6) Soil removal and disposal from the Hulman Street Storm Sewer Outlet Project, was conducted in Jan - Feb 2006. As yet, no closure report for the remediation work has been submitted by ATC Associates, Inc. The City of Terre Haute constructed a storm sewer along the eastern edge of the Middle parcel and a storm water retention basin on the eastern quarter of the South parcel in 2006. In preparation for the work in 2005 a Soil and Groundwater sampling was conducted in the study area and found that soil in the 0-4 foot interval commonly exceeded the RISC IDCL for PAHs and lead. With a few exceptions, deeper soil was not found to be impacted. No IDCL exceedances for BTEX, cyanide, sulfide and arsenic were found for the soil. Groundwater monitoring wells were installed in the study area and no IDCL exceedances were detected for PAHs, BTEX, cyanide and lead. The clean-up included the implementation of the Remediation Work Plan dated May 2005 (ATC 2005c). It included removal and disposal of all soil exceeding IDCL in the Sanitary District Utility Easement. The easement includes a 300' wide strip along the eastern edge of the Subject Site.

### **5.3 Physical Setting**

As estimated from the U.S. Geological Survey Terre Haute, Indiana 7.5 minute quadrangle map (1958, photo-revised 1993), the elevation of the site is approximately 490 - 500 feet above mean sea level. The site is situated on relatively flat terrain. Surface drainage in the area of the subject site is generally to the west.

The soil under the subject site is mapped as belonging to the Elston sandy loam (EIA) with 0 to 2 percent slopes on the southern portion of the site, and Ade loamy fine sand (AdB) with 2 to 6 percent slopes to the north and eastern edge (Montgomery, 1974). The Elston series consists of deep, well-drained, nearly level to gently sloping soils on terraces. Elston soils have moderate to low available water capacity and moderate to moderately rapid permeability (Montgomery, 1974). Ade series consists of deep, somewhat excessively drained, gently sloping and moderately sloping soils on terraces and adjacent uplands. Ade soils have low available water capacity, have rapid permeability, and are droughty (Montgomery, 1974).

The area of the subject site is underlain by up to 100 feet of unconsolidated deposits that lie on Pennsylvanian age, complexly inter-bedded shale and sandstone with thin beds of limestone and coal composed of the Racoon Creek and Carbondale Groups and the Shelburn and Patoka Formations of the McLeansboro Group (Fenelon, et al, 1994). The unconsolidated sediments are undifferentiated outwash, mainly as valley train; sand and gravel, of the Atherton Formation, in part (Gray, 1989).

The subject site lies within the hydrogeologic province known as the Middle Wabash River Basin (Fenelon, et al, 1994). Two aquifers were identified in the area of Terre Haute, Indiana. The potential aquifers are Pennsylvanian age bedrock aquifer and a surficial sand and gravel aquifer. Regional groundwater flow in the area of the subject site is assumed to be generally toward the Wabash River located about 1.5 miles west-northwest of the subject site (Fenelon, et al, 1994). Based on five monitoring wells installed in and around the subject site (ATC, 2005d) groundwater flow was determined to be to the northwest in the northern half of the site and to the west in the southern part of the site.

## **5.4 Historical Use Information on the Property**

### **5.4.1 Sanborn Fire Insurance Maps**

The Sanborn Fire Insurance Map collection at the Indiana Historical Society was reviewed. Maps dated 1886, 1892, and 1896 did not include the subject site. Maps dated 1911, 1938 - 1950, 1955 - 1963, and 1972 were found to include portions of the subject property. Copies of the Sanborn Maps are included in Appendix C (Tab 3).

#### 1911 Sanborn Map

This map shows the site as being occupied by the Chicago, Terre Haute & South Eastern (CTH&SER) Rail Yard - Southern Indiana Round House and Shops. A Car Repair Shop with office space is located in the northeast corner of the site, along Hulman. The Round House is located off-site to the north-northeast. Storage Sheds are located south of the repair shop, along the rail lines.

#### 1938 - 1950 Sanborn Map

This map consists of paste-over corrections to the 1911 map, and spans the years 1938, 1941, 1947, and 1950. The rail operation is now shown as the Chicago, Milwaukee, St Paul & Pacific Rail Road. The site is mostly unchanged from the 1911 map, 2 of the storage sheds south of the shop are no longer shown.

#### 1955 - 1963 Sanborn Map

This map shows the site as being unchanged from the previous maps.

#### 1972 Sanborn Map

This map is paste-over corrections to the 1955 - 1963 map, and shows the site as unchanged from 1963.

### **5.4.2 Aerial Photos**

A number of aerial photos of the site and surrounding area were available through the Indiana Commission on Public Records (Indiana State Archives) and the Indiana State Land Office. The descriptions for each photo reviewed are written below. Years available included 1939, 1958, 1966, 1970, 1998, 2003, and 2005.

Date of Photo	Photo Number	Scale	Source
8-22-1939	GN-4-55	1:20,000	Indiana Archives
6-6-1958	GN-2V-188	1:20,000	Indiana Archives
7-20-1966	GN-2GG-248	1:20,000	Indiana Archives
1970		1:40,000	USDA Soil Survey
1998		1:4000	Indiana Geological Survey GIS
2003		1:4000	Indiana Geological Survey GIS
2005		1:4000	Indiana Geological Survey GIS

#### 1939 Aerial Photo

This photograph indicates that the site is an active rail yard operation portions of which appear to be associated with the neighboring Coke & Carbon plant to the west. Three earthen mounds or maybe pits are being worked along the south -central part of the subject site.

#### 1958 Aerial Photo

This photograph indicates that the site appears to be mostly unchanged from 1939 to 1958. The earthen features along the southern portion of the site are no longer apparent.

#### 1966 Aerial Photo

This photograph indicates that the site appears to be unchanged from 1958 to 1966.

#### 1970 Aerial Photo

This photograph indicates that the site appears to be unchanged from 1966 to 1970.

#### 1998 Aerial Photo

This photograph indicates that the site appears to be overgrown with

vegetation and vacant.

#### 2003 Aerial Photo

This photograph indicates that the site is overgrown with trees and vegetation along the eastern side of the site. The site is otherwise vacant.

#### 2005 Aerial Photo

This photograph indicates that the site is vacant and appears to be unchanged from 2003.

### **5.4.3 City Directories**

A search for city directories was performed at the Indiana State Library. Directories were searched in five year intervals from 1896 (the earliest available) through 2001.

Address	Occupant	Years Listed
14 <sup>th</sup> & Hulman	Southern Indiana Rail Road	1910
13 <sup>th</sup> & Hulman	Indiana Coke & Gas Co	1920
	CTH & SR RR Co	1920
1300 Block Hulman	Indiana Coke & Gas Co	1925
	Chicago, Terre Haute & South Eastern Rail Road	1925
13 <sup>th</sup> & Hulman	Indiana Gas & Chemical Corp.	1939
	Universal Gas Co	1939
	Chicago, Milwaukee, St Paul & Pacific RR - Store & Car Dpt	1939 - 1965
1341 Hulman	Indiana Gas & Chemical Corp.	1942 - 1985
	Wabash Coke & Warehouse Co	1942
1341 Hulman	Terre Haute Coke & Carbon	1989

#### 5.4.4 Historical Ownership

A Chain of Ownership/Property Owner History was provided by Vigo - Wade Abstract, LLC. The following table lists the chain of ownership from 1935 to 2006.

Date	Deeded To	Deeded From
6-29-2005	Terre Haute, Sanitary Dist.	City of Terre Haute, Dept of Redevelopment
5-10-2005	Terre Haute, Sanitary Dist.	City of Terre Haute, Dept of Redevelopment
8-24-2005	City of Terre Haute, Board of Public Works	Vigo County, Board of Commissioners
5-4-2006	City of Terre Haute, Dept of Engineering	Time Warner Entertainment Co. LP
8-8-2005	City of Terre Haute, Board of Public Works	City of Terre Haute, Dept of Redevelopment
6-25-2004	Railroad Properties, LLC	CMC Heartland Partners
8-24-2005	City of Terre Haute, Board of Public Works	Vigo County, Board of Commissioners
3-14-2002	Vigo County	Tax Title Deed
10-27-1993	Terre Haute Gas Corp	Indiana Gas & Chemical Corporation
12-14-1989	Terre Haute Coke & Carbon Corp	Indiana Gas & Chemical Corporation
12-6-1978	Indiana Gas & Chemical Corporation	Wabash Coke & Warehouse Co.
11-23-1945	Chicago, Terre Haute & Southeastern RR Co	Chicago, Milwaukee, St Paul & Pacific RR
9-13-1935	Indiana Gas & Chemical Corporation	Indiana Consumers Gas & By-Products Co.

## **5.5 Historical Use Information on Adjoining Properties**

### **5.5.1 Sanborn Fire Insurance Maps**

The Sanborn Fire Insurance Map collection at the Indiana Historical Society was reviewed. Maps dated 1886, 1892, and 1896 did not include the area around the subject property. Maps dated 1911, 1938 - 1950, 1955 - 1963, and 1972 were found to include portions of the surrounding area.

#### 1911 Sanborn Map

This map shows adjoining property north of Hulman St as part of the CTH&SE Rail yard and round house. To the east are the main rail lines. Properties to the south and west are not covered.

#### 1938 - 1950 Sanborn Map

This map shows adjoining property north and east as unchanged from the 1911 map. Properties to the south are not covered. The property to the west (THCC North Parcel) is the Indiana Gas and Chemical Corp. producing "manufactured gas, coke, benzol, ammonia, tar, etc." Major operating areas at the site included the coke ovens about 200-300 feet west of the property line. Tar storage tanks, byproducts plant and a benzol plant were located west of the coke ovens. Rail siding are located near the Subject Parcel and run from the coke plant onto the Subject Site. Also on the North Parcel along the property line are two production wells

#### 1955 - 1963 Sanborn Map

This map shows the adjoining properties are mostly unchanged from the 1928 - 1950 map.

#### 1972 Sanborn Map

This map shows adjoining properties north, east, and south as unchanged from the 1955 - 1963 maps. The property to the west is shown as the Indiana Gas & Chemical Corp.

### **5.5.2 Aerial Photos**

#### 1939 Aerial Photo

This photograph indicates that the area north of the site is part of a rail yard

operation. To the east is rail and agricultural land. Land to the south is also agricultural. The Coke & Carbon Plant is located to the west with agricultural land and residences beyond. Earthen mounds or shallow pits appear on or near the South Parcel, but may be on the subject site.

#### 1958 Aerial Photo

This photograph indicates that the area north of the site includes a railroad round house on the rail yard, a residential area is situated west of the yard. Properties to the east and south and west appear unchanged from the 1939 photo. The mound or pit features appear to have been leveled out.

#### 1966 Aerial Photo

This photograph indicates that the area around the site appears to be unchanged from 1958 to 1966.

#### 1970 Aerial Photo

This photograph indicates that the area around the site appears to be unchanged from 1966 to 1970.

#### 1998 Aerial Photo

This photograph indicates that the area around the site appears to be similar to its present configuration. The area to the north & northwest across Hulman Street has been developed as residential. To the northeast and east is rail with commercial or industrial. To the south is vacant land, a communications tower facility, and recreational area. The former Terre Haute Coke & Carbon plant location to the west is vacant, but residential and commercial properties are beyond 13<sup>th</sup> Street.

#### 2003 Aerial Photo

This photograph indicates that the area around the site is similar to its present configuration and appears unchanged from the 1998 photo.

#### 2005 Aerial Photo

This photograph indicates that the area around the site appears to be unchanged from 2003.

### 5.5.3 City Directories

A search for city directories was performed at the Indiana State Library. Directories were searched in five year intervals from 1885 (the earliest available) through 2001. The following table lists entries only for those sites that may have environmental importance.

Address	Occupant	Years Listed
15 <sup>th</sup> & Hulman	Southern Indiana RR - Hulman St Station	1904
14 <sup>th</sup> & Hulman	C, TH, & SE RR Roundhouse	1920
14 <sup>th</sup> /15 <sup>th</sup> Hulman (NW Corner)	CTH & SE RR Co / C&E RR Shops and Roundhouse	1925
14 <sup>th</sup> /15 <sup>th</sup> Hulman (NW Corner)	CM St P & P RR - Shops & Roundhouse	1931
1435 Hulman	CM St P & P RR - Shops & Roundhouse	1960 - 1965
1450 Hulman	CM St P & P RR - RR Yard & Roundhouse	1969
1450 Hulman	The Milwaukee Road RR Yard & Roundhouse	1975
1450 Hulman	The Milwaukee Road RR Yard	1980 - 1985
1600 Hulman	General Plate Co	1920
1600 Hulman	Terre Haute Electrottype Co	1925
1600 Hulman	Wabash Products Co - Paint Mfr	1939 - 1996
1600 Hulman	Sentry Paint Tech	2001
16 <sup>th</sup> & Hulman	(SE) Socony Vacuum Oil Co 7 Bulk Plant	1939
16 <sup>th</sup> & Hulman	(SW) Ralph J Pound - Filling Station	1939
1704 Hulman	Indiana Coal & Supply	1931

## **6.0 SITE RECONNAISSANCE**

### **6.1 Methodology and Limiting Conditions**

The site reconnaissance was conducted on July 2<sup>nd</sup>, 2007 by David Scovel of BCA (see Photos 1 - 6). The site visit included observation of the subject and adjoining sites for environmentally significant items, such as gasoline pumps, fill caps, vent lines, unusual cracks or ground discoloration, as well as significant commercial or industrial activity. During the site visit the adjoining properties were only observed from public rights-of-way, other public areas, or the subject site.

Written notes of observations made during the site visit were recorded. Photographs were taken of environmentally significant observations.

### **6.2 General Site Setting**

The site is situated in the city of Terre Haute. The immediate area is mixed industrial, commercial and residential. The Subject Site and the other adjoining THCC parcels are vacant.

### **6.3 Exterior Observations**

The subject site includes approximately 17.9 acres of relatively flat land known as the Middle Parcel. The site is currently vacant, and is located to the east and south of the former Terre Haute Coke & Carbon Plant site (North Parcel). There are long north-south concrete pads located near the west parcel line (Photo 1). The pads were apparently part of the rail road loading and unloading operations formerly associated with the coke and carbon plant, as seen in archived photos of the plant operation (Photos 2 & 3). There are coal fragments and visible coal ash and cinders (CAC) strewn on the ground (Photo 4). The concentrations of coal and CAC appear to increase nearer the shared property line with the former coke plant. A recently installed storm water sewer lift station and line is located along the eastern edge of the Subject Site. The storm sewer discharges into a retention pond located in the southeast corner of the site.

A considerable amount of large fragments of coke, coal and CAC was noted along the fence line separating the North and Middle Parcels (Photo 5). The area of the site south of this fence is heavily overgrown with vegetation,

brush, and trees. The overgrown area was also covered with CAC, coke and coal fragments. Rail spur remnants were identified along the fence line and within the overgrown area.

A small pond-like feature was noted in the southwest corner of the Middle Parcel (Photo 6). This may be in the vicinity of the plant operations that reportedly had surface impoundments to hold liquid wastes. The physical location of this pond may be on the adjoining South Parcel, since no survey lines or identifiable physical features are present in this part of the site.

#### **6.4 Interior Observations**

There are no buildings or structures remaining on the subject site.

#### **6.5 Observations on Adjacent Properties**

Properties adjoining the subject site to the north is an apartment building and a vacant lot, formerly the location of the rail road round house and yard operations is located across Hulman Street. To the east are active rail lines and a minor switch yard. The South Parcel is located to the south with a communications tower and facility, and a small race track. The vacant, former location of the Terre Haute Coke & Carbon Plant, North Parcel, is adjoining to the west with 13<sup>th</sup> Street, residences, and an industrial complex beyond.

## **7.0 INTERVIEWS**

### **7.1 Interview With Site Owner**

The site is owned by the City of Terre Haute Department of Redevelopment.

### **7.2 Interview With Site Manager**

The site is managed by the City of Terre Haute. Mr Pat Martin of the Department of Engineering was interviewed on July 2<sup>nd</sup>, 2007 while on site. Mr Martin is a long-time resident of Terre Haute, and grew up near the former plant. Mr Martin confirmed that the Middle Parcel was mostly used by the rail road but indicated that the rail operations were predominantly for the plant operations. Mr Martin indicated that he is unaware of any spills or releases that may have occurred at the subject site, but conceded that given the number of years the site was in operation there would almost certainly have been incidents.

### **7.3 Interview With Site Occupant**

The site is currently unoccupied. See above interview with site manager.

### **7.4 Interview With Local Government Official**

Rhonda Coombs of the Vigo County Health Department was contacted on July 31, 2007. Ms. Coombs indicated that any incidents at the site would have been reported first to the Health Department or Emergency Management and then handed over directly to IDEM. She indicated that the Health Department has no current records of any spills, releases, or other environmentally significant incidents related to the site.

### **7.5 Interviews With Others**

Mr Matt Koenig of Duke Energy was contacted on July 2<sup>nd</sup>, 2007. Mr Koenig was originally interviewed for another site, but did have some knowledge of the 13<sup>th</sup> & Hulman Street site. Mr Koenig commented that soil samples were taken by Duke Energy to install new utilities along 13<sup>th</sup> Street, south of Hulman. He indicated that the analytical results showed some levels of contamination in the soils - he wasn't specific about how much or the compounds found. The results prompted Duke to dispose of excavated soils and replace with clean fill during installation of new utilities along 13<sup>th</sup> Street.

## 8.0 FINDINGS

Phase I findings identify known or suspected environmental conditions associated with the property, including recognized environmental conditions, historical recognized environmental conditions, and *de minimis* conditions, among other environmental conditions. *De minimis* conditions are those that are judged to not to present a material risk of harm to health or the environment. Historical conditions include records of past releases that have been remediated to the satisfaction of the governing regulatory agency. BCA opinions regarding each of the findings below are listed in Section 9.2. The following environmental conditions were found during this investigation:

1) THCC Middle Parcel, 1341 Hulman Street

The subject site was the location of a rail road yard and maintenance shops from at least 1904 to the late 1980s. The rail lines serviced the Coke and Carbon Plant, and may have transported product to and from the plant. Coal, coke, and coal, ash and cinders (CA&C) were observed throughout the site, most notably nearest the plant operations. Railroad companies commonly used CA&C as fill material in and around the rail beds. These materials are typically mixed in with construction or demolition debris and used as fill in and around urban lots. Several mounds are present on the site which may include CA&C and demolition debris.

Historic use of the southern portion of the Middle Parcel may have included waste and byproduct storage for the coke plant. For most of its history the Middle Parcel was owned by the then-current rail company, but for part of its history it was owned by the manufacturing company (such as Terre Haute Coke and Carbon). On aerial photos, indications consistent with lagoons may extend onto the Middle Parcel.

Investigations of the eastern edge of the Middle Parcel were undertaken by the City in 2005 in conjunction with the planning for a new storm sewer line along the eastern edge and a retention basin on the South Parcel. The study showed some levels of contamination above the Indiana Department of Environmental Management (IDEM) Risk-Integrated System of Management (RISC) Industrial Default Clean-up Level (IDCL) for lead and certain Polynuclear Aromatic Hydrocarbons (PAHs). Other hazardous RCRA metals

may be present in the surface soils due to the presence of coke and CAC. Naphthalene was found in one groundwater sample near the center of the site above the RDCL and tetrachloroethene was found in one groundwater sample in the northeast corner of the site above the RDCL. No other VOCs or PAHs were detected in the six monitoring wells on and near the site.

All impacted along the eastern edge of the Subject Site (300 ' wide Sanitary District Easement) was removed and disposed during the construction of a storm sewer in 2006.

2) Terre Haute Coke & Carbon - North Parcel, 1341 Hulman Street

This site is adjacent to the west (down-gradient) of the subject site. This site was the production area of the former THCC (and predecessors) which included primarily a coke producing facility, but also a chemical (benzol and ammonia) and coal gasification plant. Operations lasted from at least 1925 to the late 1980s. Phase II ESAs from 2001 to 2003 conducted at the site revealed levels of certain PAHs and metals in excess of IDEM RISC Default Closure Levels for Industrial Sites (IDCL). The shallow soil was most commonly impacted, but deeper soil and groundwater were also impacted at some locations. The most heavily impacted areas identified were not located adjacent to the Subject Site. The investigations were limited in nature and did not determine the extent and magnitude of contamination. IDEM Brownfield Comment Letters also indicate that not all potential issues have been tested.

This site is also listed as an Archived CERCLIS NFRAP site, ID: IND006041495. The EPA has determined that no further steps will be taken to list this site on the National Priorities List.

According to IDEM records, three 1000 gallon tanks were registered to Indiana Gas and Chemical Corp. (ID: 4167) and are listed as permanently out of service. Tank status is unknown, and there are no records of tank removal or closure. ID 20881 was given to Terre Haute Coke and Carbon but no other information was available for this ID number.

A reported spill was associated with the Coke and Carbon Site, incident

199108133. This is a spill or release of an unknown substance from drums on the site. The spill was considered hazardous, and reportedly affected an area of 1 square mile.

3) THCC - South Parcel, 1341 Hulman Street

This site is adjacent to the south (cross-gradient) of the subject site. The site operated historically as storage for waste products from the coke plant on the North Parcel. The wastes were in surface impoundments located in the southern and southwestern portions of the site. A Phase II ESA of the site in 2001 identified soil in excess of RISC IDCLs for PAHs and metals at many locations tested on the site. Significant impact on groundwater was not identified.

4) CMC Terre Haute, 1450 Hulman

The site is located adjacent to the north (cross-gradient) of the subject site across Hulman St. It is shown as having a 1000 gallon unregulated UST that was installed in 2001 for CMC Real Estate Corp.

5) International Minerals (E Plant), Lockport Road

This site is located approximately 0.25 mile south (cross-gradient) of the subject site. The International Minerals and Chemicals Corp (IMC) site covers 20 acres of land. Commercial Solvents Corp manufactured the insecticide BHC (benzene hexachloride) at this site, known as the Terre Haute East Plant, from 1946 to 1954. IMC purchased Commercial Solvents in 1975. In 1980, IMC excavated 14,392 cubic yards of contaminated soil, piping, vegetation, and debris from the former BHC production area. Soil contaminated with BHC was also excavated at a former off-site disposal area. The excavated material was combined and deposited as a mound on 1.2 acres of East Plant property. The mound was capped with clay and fill. Groundwater at the site is contaminated with BHC isomers, according to analyses conducted by the State and EPA. The site was de-listed from the NPL in February, 1991.

6) Vego (Vigo) Chemical Company, 1617 Idaho St

The site is located approximately 0.20 mile northeast (cross-gradient) from the subject site. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the

National Priorities List.

- 7) Wabash Products Company, Inc., 1600 Hulman St  
The site is located approximately 0.23 mile northeast (cross-gradient) of the subject property. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List. This site was deferred to RCRA corrective action for closure of drum storage facilities. This site is a Low Priority LUST site that has been given NFA status by the UST Branch Guidance Manual.
- 8) Ulrich Chemical Inc, 1140 Lockport Rd  
The site is located approximately 0.33 miles southwest (cross-gradient) from the subject site. This site is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List. This site is an active Low Priority LUST site where soil impact from petroleum product was found. Tank status is unknown.
- 9) Ulrich Chemical Inc, 1400 Lockport Rd  
The site is located approximately 0.55 mile southeast (cross-gradient) of the subject site. This site is listed as a RCRA Corrective Action Site. According to EPA records, this site is a manufacturer and wholesaler of a wide range of chemicals. It is also listed as a RCRA TSD and a large quantity generator of hazardous wastes. This site has had several violations and enforcement actions as a TSD.
- 10) Hydrite Chemical Co, 1330 Lockport Rd  
The site is located approximately 0.38 mile southwest (cross-gradient) of the subject site. This site is listed as a RCRA Corrective Action Site that according to available EPA records, is a conditionally exempt small quantity generator of hazardous waste, including spent halogenated and non-halogenated solvents; inorganic solids; metal scale, filings, or scrap; and remediation wastes.
- 11) National Steel Products Company, 1033 Crawford St  
The site is located approximately 0.99 mile northwest (down-gradient) from the subject site. Also known as Specialty Blanks, Inc. No other information was found.

12) Central Transport, 2345 S 13<sup>th</sup> St

The site is located approximately 0.34 miles southwest (cross-gradient) of the subject site. It is an active, low priority site that according to IDEM records, had two 4000 gallon diesel tanks and two 6000 gallon diesel tanks all of which were removed on August 9, 1999.

## 9.0 OPINION

### 9.1 Contaminant Migration

Releases on the subject site or on adjoining properties are likely to migrate vertically until contact with groundwater and then laterally in the down-gradient direction. Groundwater flow on the subject site has been mapped as being to the west or northwest towards the Wabash River. Because of the above considerations, releases at properties east or southeast (up-gradient) of the subject property could potentially have an impact on the site. Releases at properties immediately adjoining to the north and south (cross-gradient) of the subject site could impact the subject site, however, releases farther away would not. Releases at properties to the west (down-gradient) would not have any impact on the subject site.

Because radial spread of contaminants is common at the source, especially in the shallow soil or smear zone at the top of the water table, releases that took place very near the subject site may have impacted it no matter which side of the subject site they occurred on.

### 9.2 Evaluation of Identified Environmental Conditions

#### 1) THCC Middle Parcel, 1341 Hulman Street

The subject site operated as a rail yard with rail car service shops for a number of years before being associated with the Coke & Carbon Plant operations. Rail spurs were located on the subject site, many of which were associated with loading and unloading operations for the coke plant. Remnants of the rail siding could include "urban fill" such as coal ash and cinders (CA&C). CA&C fill can contain levels of certain metals and Polynuclear Aromatic Hydrocarbons (PAHs) that (according to IDEM) may pose a risk if directly exposed to future users. The maintenance activities at the north end of the site, the loading operations associated with the coke & carbon plant and the widespread CA&C are considered a recognized environmental conditions. Disposal mounds on the site may contain demolition debris and CA&C or other wastes. Disposal mounds and potential disposal lagoons are considered recognized environmental conditions. Phase II ESAs of the site in 2005 confirmed PAHs and lead in the soil likely due to the preceeding sources. The investigation also identified naphthalene

and tetrachloroethene in the groundwater, which is also considered a recognized environmental condition. Remediation along the eastern edge of the Subject Site (Easement) likely removed potential for impact. This area is considered a historical recognized environmental condition.

2) Terre Haute Coke & Carbon - North Parcel, 1341 Hulman Street

The site operated as a coke and carbon manufacturing facility that included coal gasification and chemical manufacturing from about 1925 to the late 1980s. This site is listed as an Archived CERCLIS NFRAP site by the EPA. One record of a reported spill was found for this site. The spill or release was of an unknown substance from drums on the site. The spill was considered hazardous, and reportedly affected an area of 1 square mile. The site had up to three USTs, listed as permanently out of service, but no information on whether the tanks have been removed was found. Recent environmental studies have indicated that past activities on the site contaminated the shallow soils beyond IDEM industrial closure limits. Nearly all of the activities are located downgradient and not near the property line with the Subject Site. However, some limited impact may be found at the property line. This is considered a recognized environmental condition to the Subject Site.

3) THCC - South Parcel, 1341 Hulman Street

This site is adjacent to the south and cross-gradient of the subject site. The site operated historically as storage for liquid waste from the coke plant. The wastes were reportedly in surface impoundments located in the southern and southwestern portions of the site. This is considered to be a recognized environmental condition to the Subject Site because the disposal areas adjoined the subject site and may have crossed the property line as well.

4) CMC Terre Haute, 1450 Hulman

The site is located adjacent to the north (cross-gradient) of the subject site across Hulman St. It is shown as having a 1000 gallon unregulated UST that was installed in 2001 for CMC Real Estate Corp. This is considered to be a recognized environmental condition, however, the risk is minimal.

5) International Minerals (E Plant), Lockport Road

Although this site is a de-listed NPL site, given the distance from the subject site and that the location of this site is cross-gradient, it is considered to be

*a de minimis* condition.

6) Vego (Vigo) Chemical Company, 1617 Idaho St

Given the location of this site is cross-gradient from the subject site, and it is a Discontinued, low priority site where soil impact had been found it is considered to be *a de minimus* condition.

7) Wabash Products Company, Inc., 1600 Hulman St

The site is located approximately 0.23 mile northeast (cross-gradient) of the subject site. It is listed as an Archived CERCLIS site, and the EPA has determined that no further steps will be taken to list the site on the National Priorities List. This is considered to be *a de minimus* condition.

This site was deferred to RCRA corrective action for closure of drum storage facilities. This is considered to be a recognized environmental condition, however, the risk to the subject site is minimal.

This site is a Low Priority LUST site that has been given NFA status by the UST Branch Guidance Manual. This is considered to be *a de minimus* condition.

8) Ulrich Chemical Inc, 1140 Lockport Rd

Given the distance from the subject site and that the location of this site is cross-gradient, it is considered to be *a de minimis* condition.

9) Ulrich Chemical Inc, 1400 Lockport Rd

Given the distance from the subject site and that the location of this site is cross-gradient, it is considered to be *a de minimis* condition.

10) Hydrite Chemical Co, 1330 Lockport Rd

Given the distance from the subject site and that the location of this site is cross-gradient, it is considered to be *a de minimis* condition.

11) National Steel Products Company, 1033 Crawford St

Given the distance from, and that the location of this site is down-gradient from the subject site, it is considered to be *a de minimis* condition.

12) Central Transport, 2345 S 13<sup>th</sup> St

Given the location of this site is cross-gradient and the distance from the subject site, it is considered to be a *de minimis* condition.

## 10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment of the subject property at 1341 Hulman Street, Terre Haute, Indiana in conformance with the scope and limitations of ASTM Practice E1527-05. Exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Detailed findings and opinions regarding the following sites are included in Sections 8 and 9 above. This assessment has revealed no evidence of recognized environmental conditions currently in connection with the property, except:

- 1) THCC Middle Parcel, 1341 Hulman Street  
The rail road operations at the site included loading and unloading product and material associated with the neighboring Coke & Carbon Plant and is known to have impacted the site with PAHs and lead above the IDCL. Groundwater is also impacted from unknown source(s) below the IDCL.
- 2) Terre Haute Coke & Carbon - North Parcel, 1341 Hulman Street  
The site adjoins the Subject Site to the west and north. Coke and Carbon, chemical, and gas manufacturing had occurred at this site for about 70 years. Spills or releases of petroleum or chemical products, coal tar, coke, and CAC are known to have impacted the site. The operations were mostly not near the property line, but there is some potential of impact to the Subject Site.
- 3) THCC - South Parcel, 1341 Hulman Street  
This site adjoins the Subject site to the south. It operated as waste storage area for the Terre Haute Coke & Carbon plant. Liquid wastes were stored in surface impoundments located in the southwestern portions of the site. A Phase II ESA in 2001 was not able to identify the locations of the impoundments, but did identify levels of contamination from the coke plant operations above IDCL. Past uses of the site as waste storage could have impacted the subject site.
- 4) CMC Terre Haute, 1450 Hulman  
This site is adjacent to the north and cross-gradient of the subject site. This site is listed as having a gasoline UST. A release from the UST could potentially have spread across Hulman Street to impact the soil and groundwater under the subject site. However, the risk is relatively low.

5) Wabash Products Company, Inc., 1600 Hulman St

The site is located approximately 0.23 mile northeast of the subject site. The site is an Archived CERCLIS site, a NFA LUST site, and is currently in RCRA Corrective Action. Releases from past operations could have potentially impacted the soil and groundwater under the subject site, however, given the distance from the subject site, the risk is low.

## **11.0 DEVIATIONS**

The history of the subject site could not be traced to first development (prior to 1911) due to the lack of readily available sources. There have been no other deviations from the ASTM Standard for Phase I Environmental Site Assessments during the preparation of this report. Based on site observations and history, it is not likely that earlier site history would impact the ESA conclusions since the prior operation was likely a rail yard and historical operations are considered a recognized environmental condition.

## **12.0 ADDITIONAL SERVICES**

No services that are beyond the scope of the ASTM Standard were performed as part of this investigation.

## 13.0 REFERENCES

1. Aerial photographs were reviewed at the Indiana State Archives located in Indianapolis, Indiana. Additional aerial photographs were available from the Indiana Geological Survey GIS internet site (<http://igs.indiana.edu/arcgis/statewide/index.html>)
2. Sanborn Fire Insurance Maps were reviewed at the Indiana Historical Society in Indianapolis, Indiana. The Historical Society has in its possession a complete set of Sanborn maps for Indiana on microfilm.
3. Historical City Directories were searched at the Indiana State Library in Indianapolis, Indiana.

### **Publications:**

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7. Montgomery, Robert H., *Soil Survey of Vigo County, Indiana*, United States Department of Agriculture, Soil Conservation Service, Indianapolis, Indiana, Report, 1974.
8. Trinity Environmental Group, 2001a. *Phase II Environmental Site Assessment, Volume I, Former Terre Haute Coke and Carbon Co (24.51 Acres), 1341 Hulman Street, Terre Haute, Indiana 47802*, March 2001.
9. Trinity Environmental Group, 2001b. *Phase II Environmental Site Assessment, Volume I, Former Terre Haute Coke and Carbon Co (26.771 Acres), 1341 Hulman Street, Terre Haute, Indiana 47802*, August 2001.

10. Trinity Environmental Group, 2003. *Former Terre Haute Coke and Carbon (North Parcel) Phase II Environmental Site Assessment Report, Volume I, 1341 Hulman Street, Terre Haute, Indiana 47802*, April 2003.
11. American Consulting, Inc., 2004. *Hazardous Waste Screening, Project 20, Hulman Street Storm Sewer Outlet Project, Terre Haute, Vigo County, Indiana*, November 18, 2004.
12. Midwest Consultants, 2005. *Brownfield Site Remediation Report* for City of Terre Haute/Vigo County Department of Redevelopment, May 2005.
13. ATC Associates, Inc., 2005a. *Brownfield Redevelopment - Soil Sampling and Analysis, Hulman Street Storm Sewer Outlet Project, 1341 Hulman Street, Terre Haute, Indiana*. ATC Project No. 86.00481.0133, January 24, 2005.
14. ATC Associates, Inc., 2005b. *Brownfield Redevelopment - Additional Soil and Groundwater Sampling and Analysis, Hulman Street Storm Sewer Outlet Project, 1341 Hulman Street, Terre Haute, Indiana*. ATC Project No. 86.00481.0133, May 3, 2005.
15. ATC Associates, Inc., 2005c. *Remediation Work Plan, Brownfield Redevelopment Hulman Street Storm Sewer Outlet Project, 1341 Hulman Street, Terre Haute, Indiana*. ATC Project No. 86.00481.0133, May 3, 2005.
16. ATC Associates, Inc., 2005d. *Groundwater Sampling and Analysis, Hulman Street Storm Sewer Outlet Project, 1341 Hulman Street, Terre Haute, Indiana*. ATC Project No. 86.00481.0148, September 23, 2005.

## 14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

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David W. Scovel  
Project Manager

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

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John W. Kilmer, CHMM  
Senior Engineer

## **15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

### **DAVID W. SCOVEL, PROJECT MANAGER**

David W. Scovel joined Bruce Carter Associates full time as an Environmental Scientist in the Spring of 2005 after completing a two-year contract with BCA conducting well surveys in 2004. Mr. Scovel graduated from Ball State University in 2000 with a Bachelor of Science Degree in Geology. He had worked for three years as a field geologist for the Indiana Geological Survey and the Indiana Department of Transportation before joining BCA. His experience includes field sampling, data management, and water well monitoring. His primary duties include conducting Phase I and Phase II Environmental Site Assessments.

### **JOHN W. KILMER, CHMM, SENIOR ENGINEER**

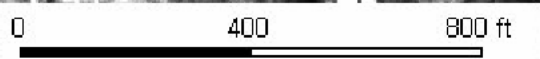
John W. Kilmer has an M.S. degree in Environmental Engineering from the University of Illinois and a B. A. in Chemistry and a B. A. in Environmental Science from the University of Virginia. He is a Certified Hazardous Materials Manager - Master Level and specializes in environmental engineering, science and chemistry. Mr. Kilmer manages BCA's Indianapolis office and is responsible for review or oversight of the company's soil and groundwater contamination projects. He has over 20 years of environmental consulting experience in the areas of soil and groundwater contamination, regulatory compliance, air permitting and environmental site assessments.

## Figures





	BCA CONSULTANTS, INC. 6330 E. 75th SUITE 150 INDIANAPOLIS, IN 46250 317-578-4233	
APPROXIMATE SCALE:  1:4000	DRAWING TITLE  1998 Aerial Photograph	
DRAWN BY: D Scovel	PROJECT LOCATION:  Terre Haute Coke & Carbon 1341 Hulman Street Terre Haute, Indiana	FIGURE  2
DATE: 09/25/07		
BCA PROJECT NO 07-083		

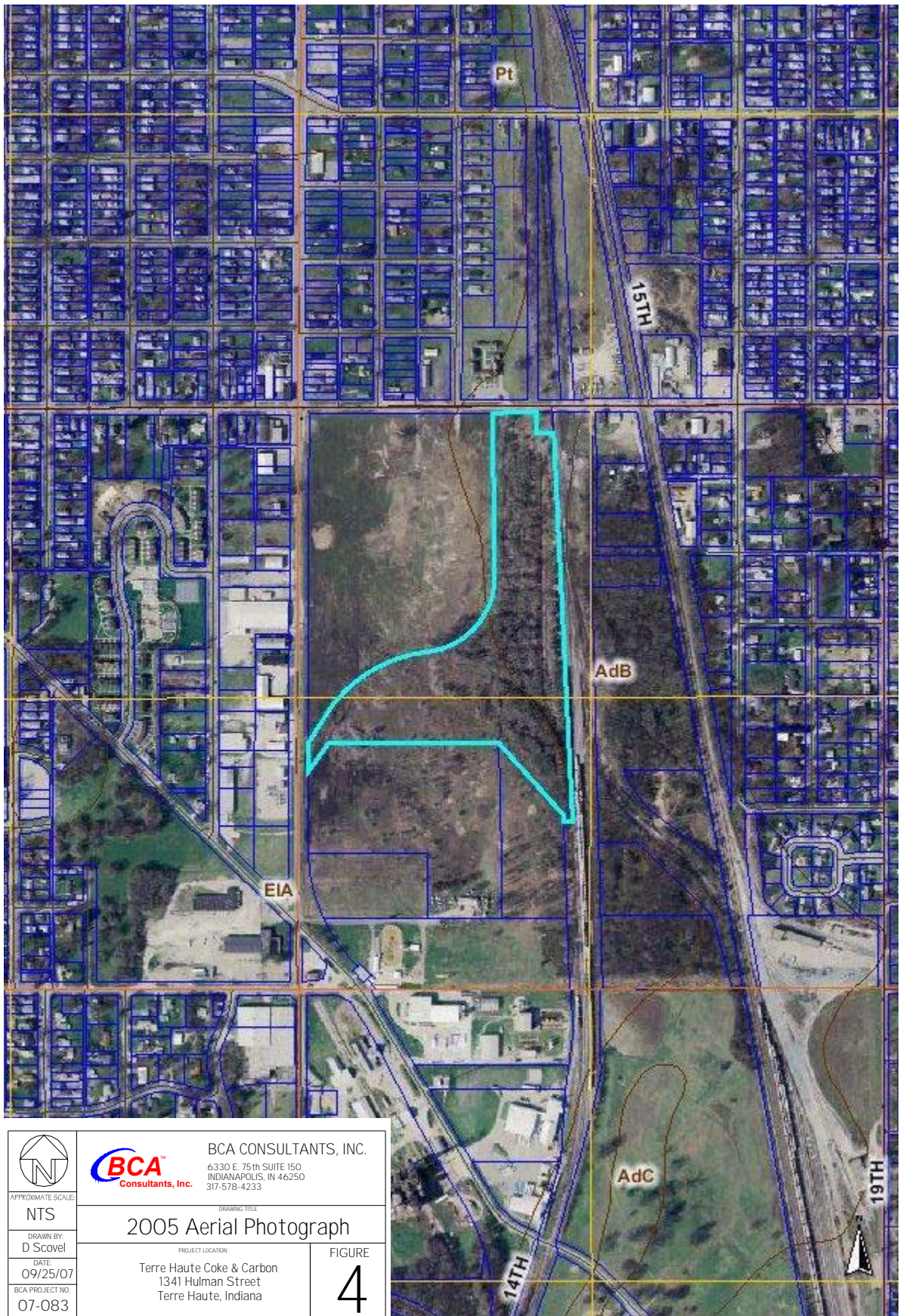




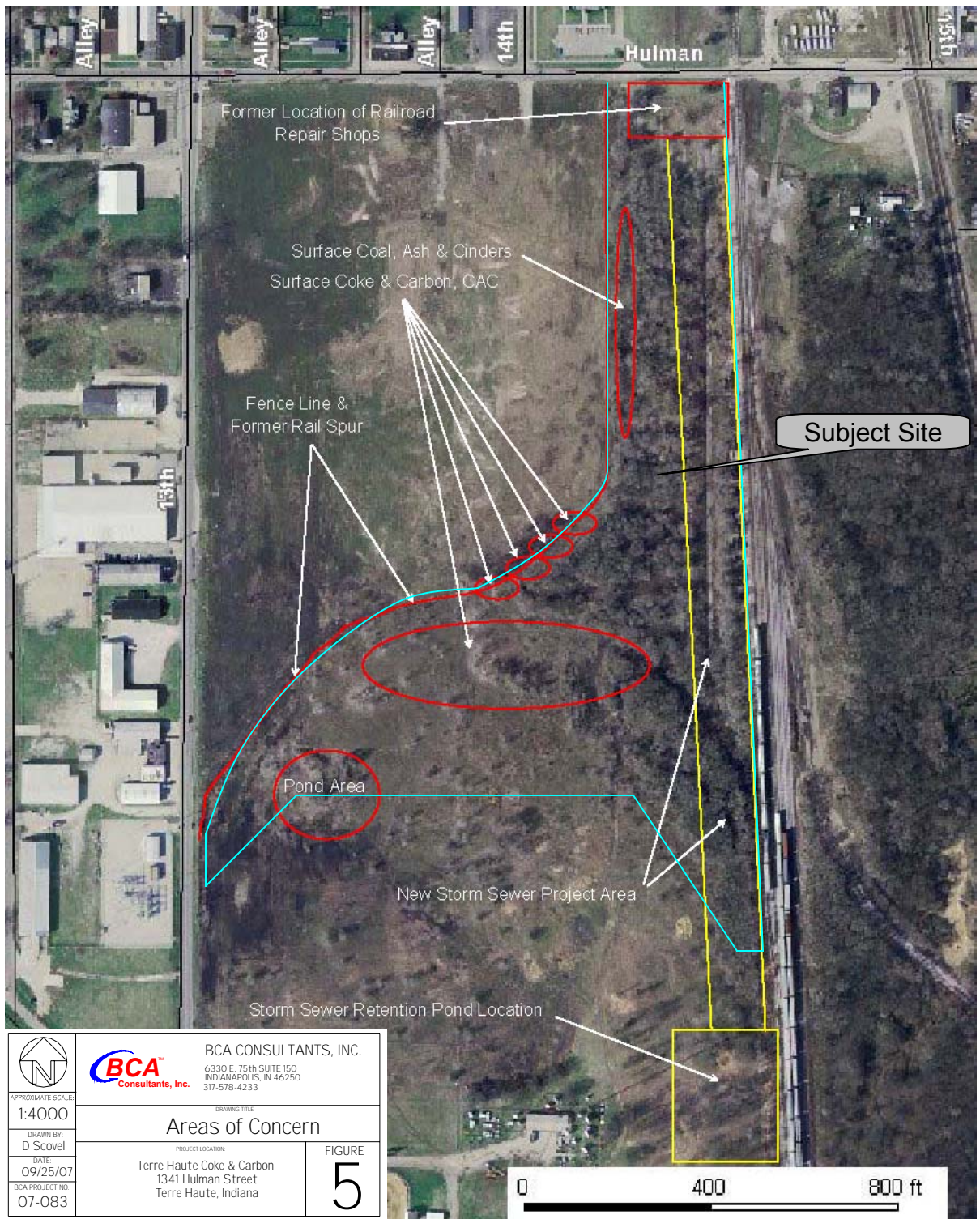
Subject Site

	BCA CONSULTANTS, INC. 6330 E. 75th SUITE 150 INDIANAPOLIS, IN 46250 317-578-4233	
	DRAWING TITLE <b>2003 Aerial Photograph</b>	
	PROJECT LOCATION Terre Haute Coke & Carbon 1341 Hulman Street Terre Haute, Indiana	
	FIGURE <b>3</b>	
	APPROXIMATE SCALE: <b>1:4000</b>	
DRAWN BY: D Scovel		
DATE: 09/25/07		
BCA PROJECT NO: 07-083		

0 400 800 ft



	<b>BCA CONSULTANTS, INC.</b> 6330 E. 75th SUITE 150 INDIANAPOLIS, IN 46250 317-578-4233	
APPROXIMATE SCALE:	DRAWING TITLE	
NTS	2005 Aerial Photograph	
DRAWN BY:	PROJECT LOCATION:	FIGURE
D Scovel	Terre Haute Coke & Carbon 1341 Hulman Street Terre Haute, Indiana	
DATE:	4	
09/25/07		
BCA PROJECT NO:		
07-083		



## Photos



Photo 1 – THCC Middle Parcel looking south from Hulman St. This area formerly occupied by rail yard.



P0129\_N\_006151

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Photo 2 – Image from photo archives circa 1920 – 1930. View is from the west, showing plant and rail yard layout.



P0129\_N\_021125\_002

Digital Image © 2006 Indiana Historical Society. All Rights Reserved.

Photo 3 – Archived photo, circa 1920 – 1930. View of the Coke Plant is from the south. Piles of coal or coke can be seen on either side of the plant. (Middle Parcel - rail yard is along the right edge of this photo.)



Photo 4 – Dark area is example of Coal, Ash, & Cinders, coal fragments, and coke found on the soil surface of the site.



Photo 5 – Fence line along the south boundary of THCC North Parcel. Large pieces of coke can be seen in the foreground.



Photo 6 – Pond or lagoon in the southern part of the site.

## **Appendix A**

# ***FirstSearch Technology Corporation***

## **Environmental FirstSearch™ Report**

Target Property:

**1341 HULMAN ST  
TERRE HAUTE IN 47802**

Job Number: 47802

### **PREPARED FOR:**

Bruce Carter Associates  
6330 E 75th St., suite 150  
Indianapolis, IN 46250

06-05-07



*Tel: (317) 823-3500*

*Fax: (317) 823-3535*

# ***Environmental FirstSearch Search Summary Report***

**Target Site:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

## **FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	03-08-07	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	03-08-07	0.50	0	0	1	0	-	0	1
CERCLIS	Y	03-08-07	0.50	0	0	0	0	-	0	0
NFRAP	Y	03-08-07	0.50	0	0	3	1	-	0	4
RCRA COR ACT	Y	06-06-06	1.00	0	0	0	1	2	0	3
RCRA TSD	Y	06-06-06	0.50	0	0	1	1	-	0	2
RCRA GEN	Y	06-06-06	0.25	0	0	2	-	-	0	2
Federal IC / EC	Y	05-02-07	0.25	0	0	0	-	-	0	0
ERNS	Y	12-31-06	0.25	0	0	1	-	-	0	1
Tribal Lands	Y	12-01-05	1.00	0	0	0	0	0	0	0
State/Tribal Sites	Y	02-22-07	1.00	0	0	0	0	0	0	0
State Spills 90	Y	03-26-07	0.25	0	0	2	-	-	0	2
State/Tribal SWL	Y	01-16-07	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	03-26-07	0.50	0	0	1	2	-	0	3
State/Tribal UST/AST	Y	03-26-07	0.25	1	0	3	-	-	0	4
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	02-01-07	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	02-01-07	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	04-01-07	0.50	0	0	1	0	-	0	1
- TOTALS -				1	0	15	5	2	0	23

### **Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

### **Waiver of Liability**

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***Environmental FirstSearch  
Site Information Report***

**Request Date:** 06-05-07  
**Requestor Name:** David Scovel/BCA/jj  
**Standard:** ASTM-05

**Search Type:** COORD  
**Job Number:** 47802  
**Filtered Report**

**Target Site:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

***Demographics***

<b>Sites:</b> 23	<b>Non-Geocoded:</b> 0	<b>Population:</b> NA
<b>Radon:</b> 0.5 - 9.4 PCI/L		

***Site Location***

	<u><b>Degrees (Decimal)</b></u>	<u><b>Degrees (Min/Sec)</b></u>		<u><b>UTMs</b></u>
<b>Longitude:</b>	-87.394758	-87:23:41	<b>Easting:</b>	466031.9
<b>Latitude:</b>	39.445969	39:26:45	<b>Northing:</b>	4366133.574
			<b>Zone:</b>	16

***Comment***

**Comment:**

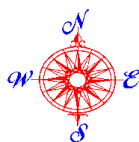
***Additional Requests/Services***

**Adjacent ZIP Codes:** 1 Mile(s)

**Services:**

ZIP Code	City Name	ST	Dist/Dir	Sel
47803	TERRE HAUTE	IN	0.48 NE	Y
47807	TERRE HAUTE	IN	0.87 NE	N

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

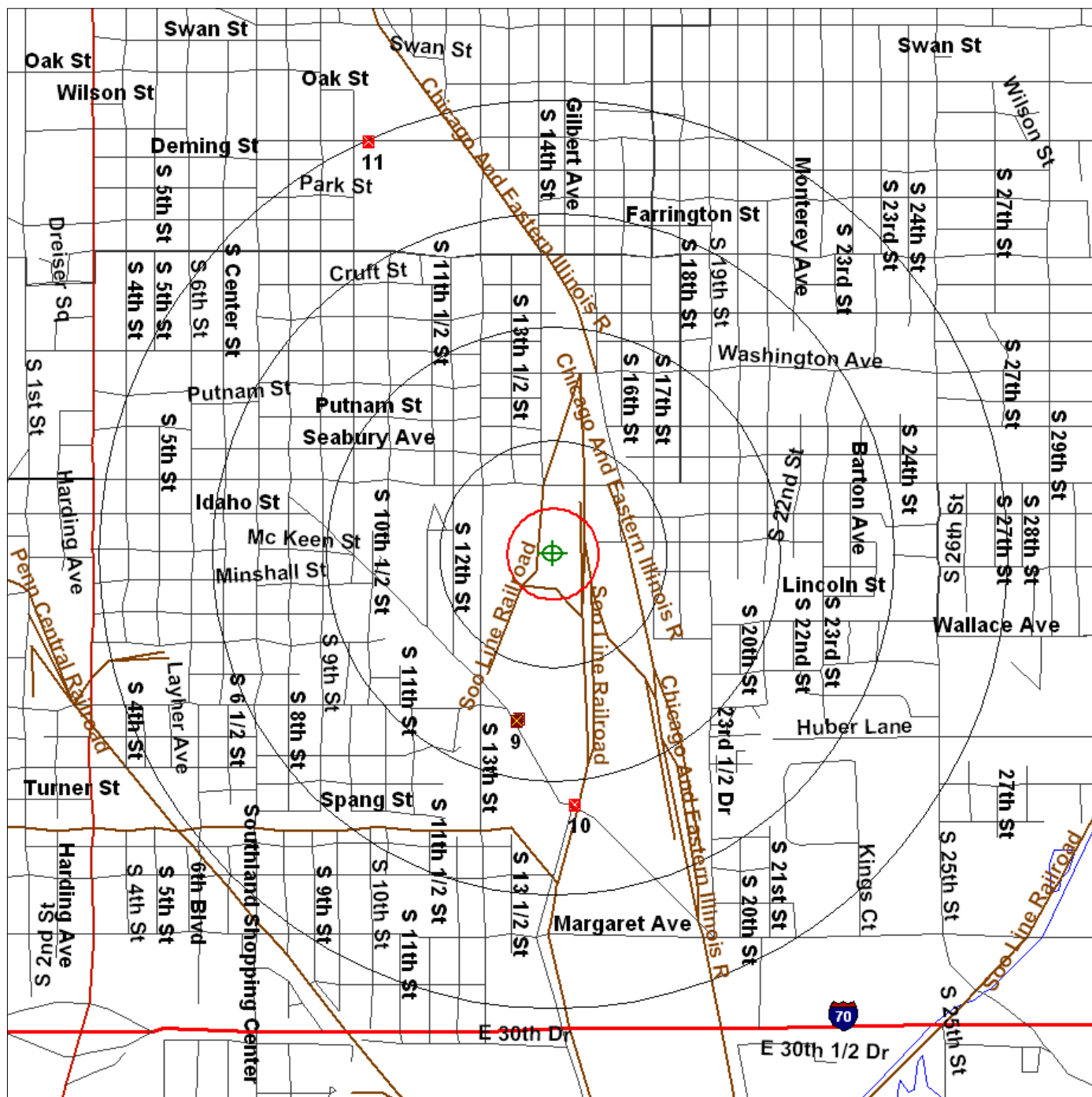


# Environmental FirstSearch

1 Mile Radius  
ASTM-05: NPL, RCRACOR, STATE



## 1341 HULMAN ST, TERRE HAUTE IN 47802



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....  
Triballand.....  
Railroads .....  
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



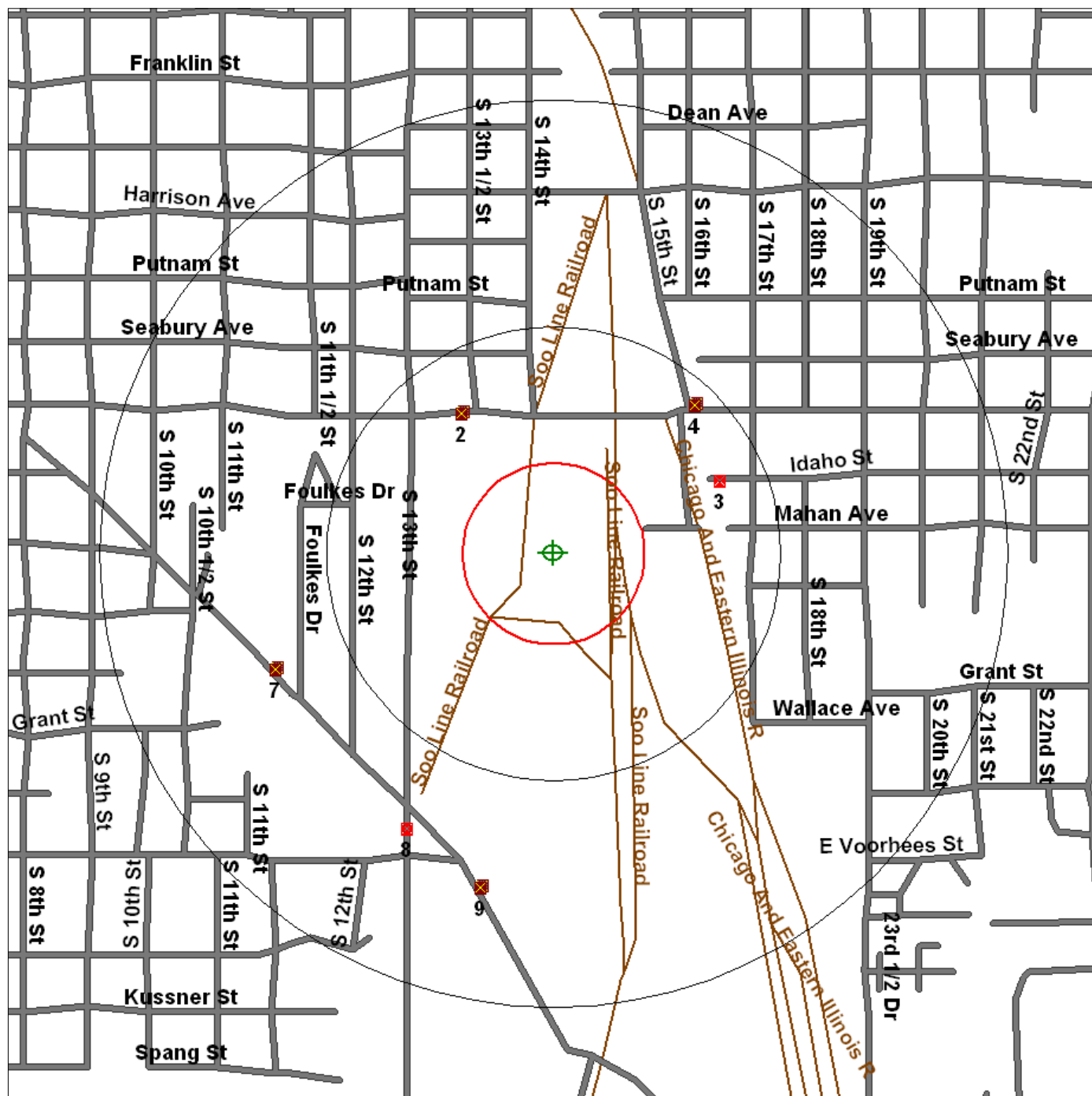


# Environmental FirstSearch

.5 Mile Radius  
ASTM-05: Multiple Databases



**1341 HULMAN ST, TERRE HAUTE IN 47802**



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



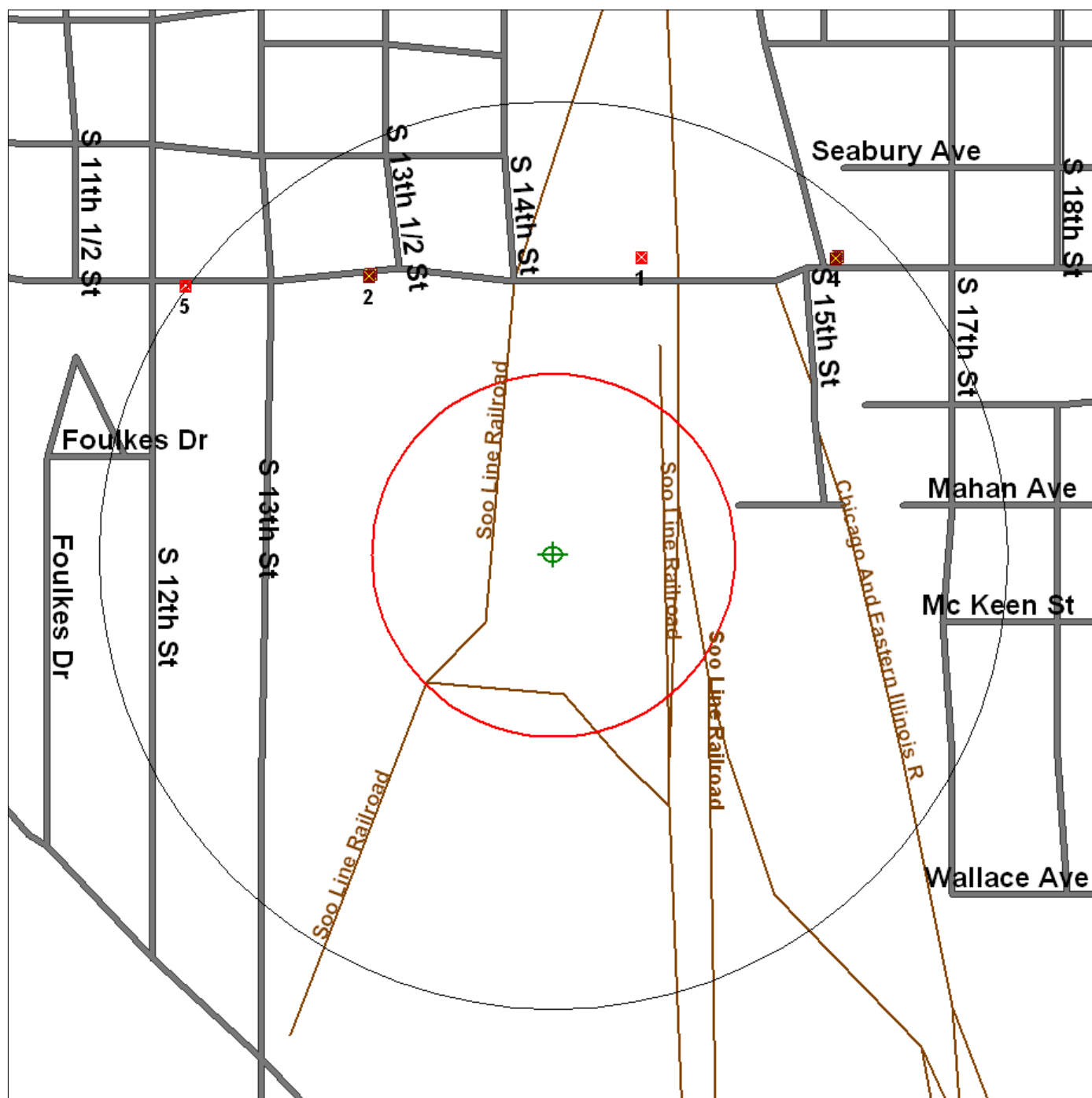


# Environmental FirstSearch

.25 Mile Radius  
ASTM-05: SPILLS90, RCRA GEN, ERNS, UST



**1341 HULMAN ST, TERRE HAUTE IN 47802**



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....

Identified Site, Multiple Sites, Receptor .....

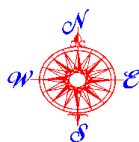
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



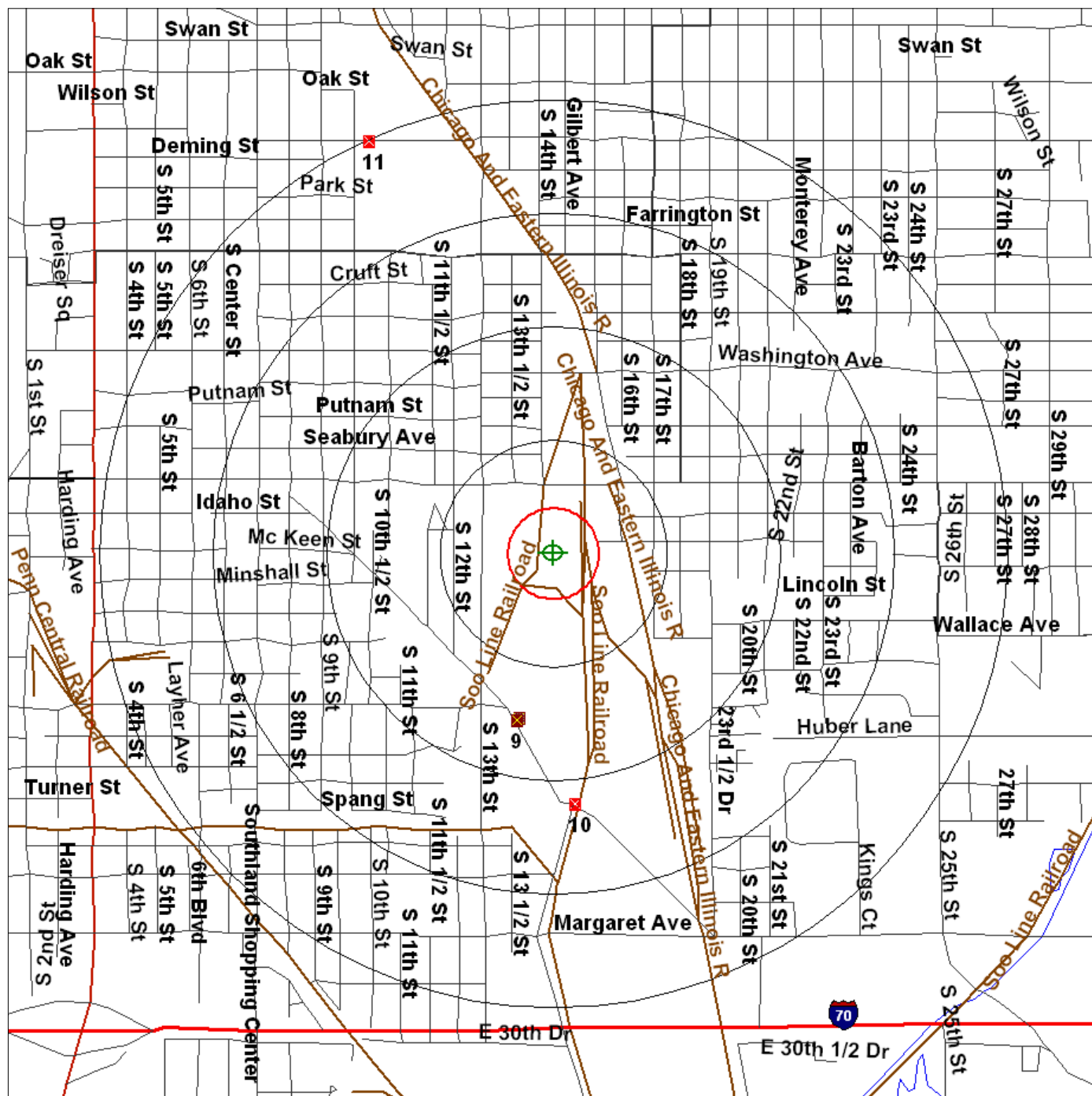


# Environmental FirstSearch

1 Mile Radius  
ASTM Map: NPL, RCRA COR, STATE Sites



**1341 HULMAN ST, TERRE HAUTE IN 47802**



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste  
Triballand.....  
Railroads .....  
Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





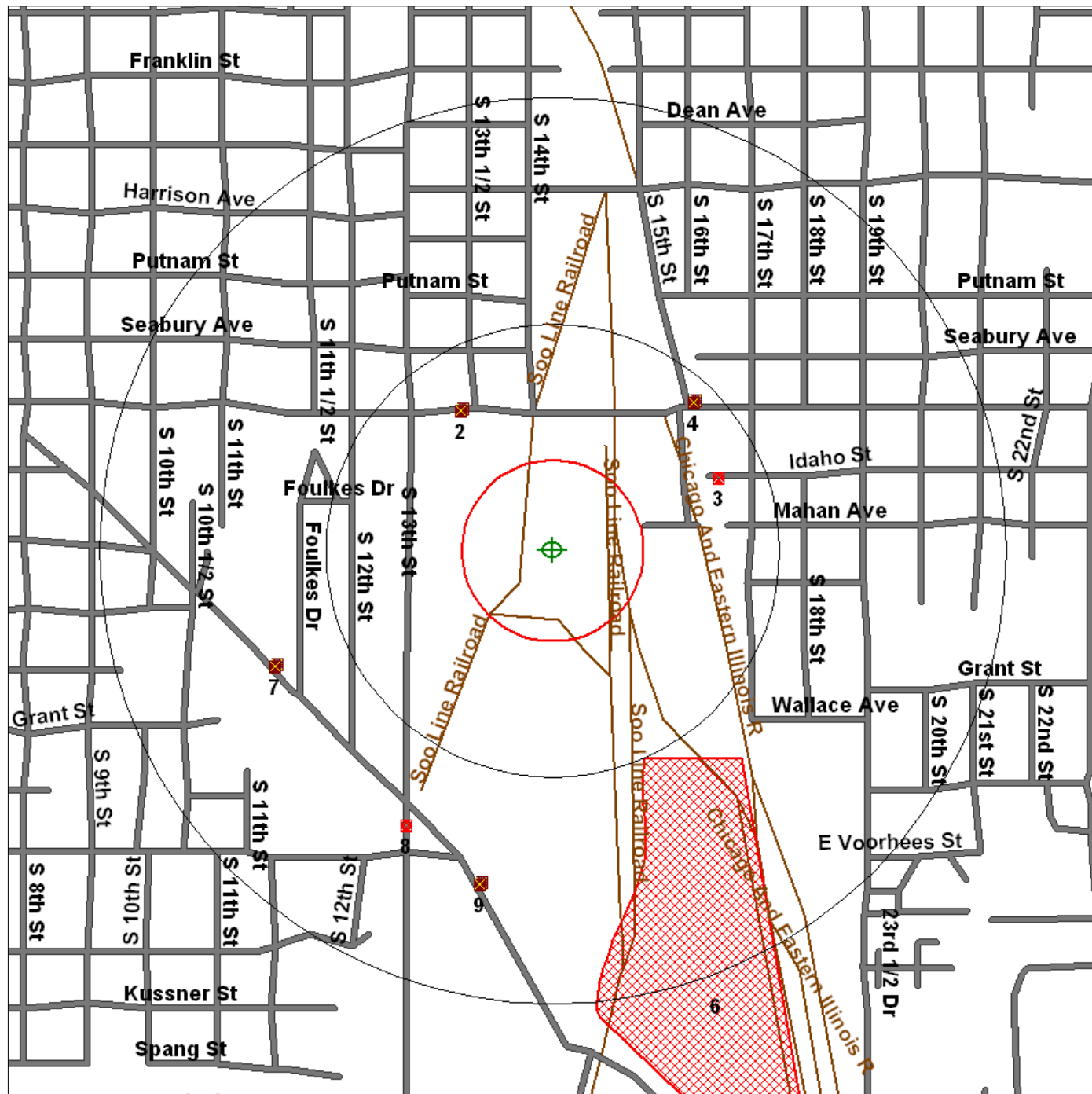
# Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL



**1341 HULMAN ST, TERRE HAUTE IN 47802**



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



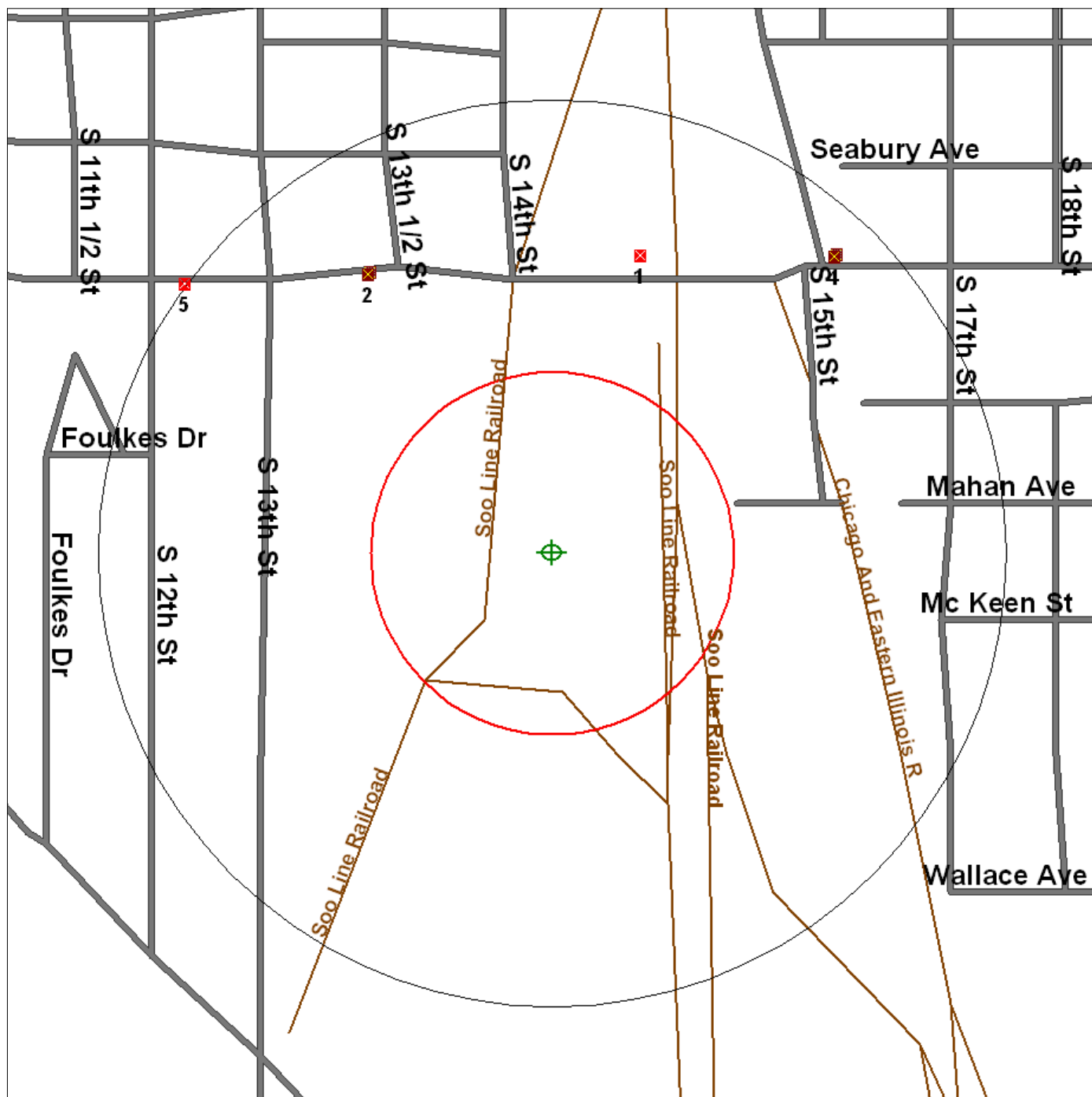


# Environmental FirstSearch

.25 Mile Radius  
ASTM Map: RCAGEN, ERNS, UST



**1341 HULMAN ST, TERRE HAUTE IN 47802**



Source: 2002 U.S. Census TIGER Files

Target Site (Latitude: 39.445969 Longitude: -87.394758) .....

Identified Site, Multiple Sites, Receptor .....

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste

Triballand.....

Railroads .....

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



# Environmental FirstSearch

## Sites Summary Report

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**TOTAL:** 23      **GEOCODED:** 23      **NON GEOCODED:** 0      **SELECTED:** 0

Page No.	ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	15	UST	CMC TERRE HAUTE 22133	1450 HULMAN TERRE HAUTE IN 47802	0.17 NE	1
1	22	BROWNFIELD	TERRE HAUTE COKE AND CARBON COMPAN 4000043/BROWNFIELD	1341 HULMAN STREET TERRE HAUTE IN 47802	0.18 NW	2
2	12	ERNS	COKE PLANT 309996/FIXED FACILITY	13TH AND HALLMAN STRET TERRE HAUTE IN 47802	0.18 NW	2
3	1	NFRAP	INDIANA GAS and CHEMICAL CORPORATI IND006041495/NFRAP-N	1341 HULMAN STREET TERRE HAUTE IN 47802	0.18 NW	2
3	13	SPILLS	INDUSTRIAL 199108133	1341 HOLMAN ST TERRE HAUTE IN 47803	0.18 NW	2
4	17	UST	TERRE HAUTE COKE and CARBON CORP 20881	1341 HULMAN ST TERRE HAUTE IN 47802	0.18 NW	2
5	16	UST	INDIANA GAS and CHEMICAL CORP 4167	1341 HULMAN ST P O BOX 268 TERRE HAUTE IN 47808	0.18 NW	2
6	3	NFRAP	VEGO CHEMICAL COMPANY IND000201277/NFRAP-N	1617 IDAHO STREET TERRE HAUTE IN 47802	0.20 NE	3
6	21	LUST	WABASH PRODUCTS 199912503	1600 HULMAN STREET TERRE HAUTE IN 47802	0.23 NE	4
7	4	NFRAP	WABASH PRODUCTS COMPANY INC IND006032593/NFRAP-N	1600 HULMAN STREET, BOX 307 TERRE HAUTE IN 47802	0.23 NE	4
8	6	RCRA	WABASH PRODUCTS CO INC IND006032593/TSD	1600 HULMAN ST TERRE HAUTE IN 47802	0.23 NE	4
10	11	RCRAGN	WABASH PRODUCTS CO INC IND006032593/SGN	1600 HULMAN ST TERRE HAUTE IN 47802	0.23 NE	4
13	14	SPILLS	INDUSTRIAL 199010176	1600 HULLMAN ST TERRE HAUTE IN 47803	0.23 NE	4
14	18	UST	WABASH PRODUCTS 7187	1600 HULMAN STREET TERRE HAUTE IN 47802	0.23 NE	4
15	10	RCRAGN	HYDRO POWER INC IND984876276/SGN	1221 HULMAN ST TERRE HAUTE IN 47802	0.25 NW	5
16	23	DELNPL	INTERNATIONAL MINERALS (E. PLANT) INT190010876/DELISTED	LOCKPORT ROAD TERRE HAUTE IN 47808	0.25 SE	6
18	20	LUST	ULRICH CHEMICAL INC 198604071	1140 LOCKPORT RD TERRE HAUTE IN 47807	0.33 SW	7
18	2	NFRAP	ULRICH CHEMICAL, INC IND072081169/NFRAP-N	1140 LOCKPORT ROAD TERRE HAUTE IN 47802	0.33 SW	7
19	19	LUST	CENTRAL TRANSPORT 200003514	2345 S. 13TH ST. TERRE HAUTE IN 47802	0.34 SW	8
20	5	RCRA	HYDRITE CHEMICAL CO IND984866541/TSD	1330 LOCKPORT RD TERRE HAUTE IN 47802	0.38 SW	9
25	7	RCRACOR	HYDRITE CHEMICAL CO IND984866541/CA	1330 LOCKPORT RD TERRE HAUTE IN 47802	0.38 SW	9

***Environmental FirstSearch  
Sites Summary Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**TOTAL:** 23      **GEOCODED:** 23      **NON GEOCODED:** 0      **SELECTED:** 0

Page No.	ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
26	9	RCRACOR	ULRICH CHEMICAL INC IND072081169/CA	1400 LOCKPORT RD TERRE HAUTE IN 47802	0.55 SE	10
27	8	RCRACOR	NATIONAL STEEL PRODUCTS COMPANY IND006033880/CA	1033 CRAWFORD ST TERRE HAUTE IN 47807	0.99 NW	11

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

UST

**SEARCH ID:** 15                      **DIST/DIR:** 0.17 NE                      **MAP ID:** 1

<b>NAME:</b> CMC TERRE HAUTE <b>ADDRESS:</b> 1450 HULMAN TERRE HAUTE IN 47802  <b>CONTACT:</b>	<b>REV:</b> 03/26/07 <b>ID1:</b> 22133 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
--	---

**SITE INFORMATION**

<b>NUMBER OF TANK:</b>	1
<b>TANK NUMBER:</b>	1
<b>TANK CAPACITY:</b>	1000
<b>INSTALL DATE:</b>	1/1/2001 0:00:00
<b>TANK STATUS:</b>	UNREGULATED
<b>SUBSTANCE DESCRIPTION:</b>	OTHER
<b>OWNER ID:</b>	13116
<b>COMPANY NAME:</b>	CMC REAL ESTATE CORP

BROWNFIELD

**SEARCH ID:** 22                      **DIST/DIR:** 0.18 NW                      **MAP ID:** 2

<b>NAME:</b> TERRE HAUTE COKE AND CARBON COMPANY <b>ADDRESS:</b> 1341 HULMAN STREET TERRE HAUTE IN VIGO  <b>CONTACT:</b>	<b>REV:</b> 04/01/07 <b>ID1:</b> 4000043 <b>ID2:</b> <b>STATUS:</b> BROWNFIELD <b>PHONE:</b>
---	--

**SITE INFORMATION**

**PROGRAM MANAGER:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

ERNS

**SEARCH ID:** 12                      **DIST/DIR:** 0.18 NW                      **MAP ID:** 2

<b>NAME:</b> COKE PLANT <b>ADDRESS:</b> 13TH AND HALLMAN STRET TERRE HAUTE IN VIGO <b>CONTACT:</b>	<b>REV:</b> 3/14/93 <b>ID1:</b> 309996 <b>ID2:</b> <b>STATUS:</b> FIXED FACILITY <b>PHONE:</b>
--	--

**SPILL INFORMATION**

**DATE OF SPILL:** 3/14/93                      **TIME OF SPILL:** 1200

**PRODUCT RELEASED (1):** UNKNOWN  
**QUANTITY (1):** 0  
**UNITS (1):** UNK

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b> NO	<b>GROUNDWATER:</b> NO
<b>LAND:</b> YES	<b>FIXED FACILITY:</b> NO
<b>WATER:</b> NO	<b>OTHER:</b> NO
<b>WATERBODY AFFECTED BY RELEASE:</b>	SOIL

**CAUSE OF RELEASE**

<b>DUMPING:</b> NO	<b>EQUIPMENT FAILURE:</b> NO	
<b>NATURAL PHENOMENON:</b> NO	<b>OPERATOR ERROR:</b> NO	
<b>OTHER CAUSE:</b> NO	<b>TRANSP. ACCIDENT:</b> NO	
<b>UNKNOWN:</b> NO		

**ACTIONS TAKEN:** UNKNOWN

**RELEASE DETECTION:** THE CALLER IS REPORTING POOLS OF HAZARDOUS MATERIALS ON THE PROPERTY

**MISC. NOTES:** THE CALLER REPORTS THAT THE FACILITY HAS BEEN OUT OF BUSINESS FOR ABOUT 1 YEAR

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b> 309996	<b>DUN and BRADSTREET :</b>
<b>TYPE OF DISCHARGER:</b> PRIVATE ENTERPRISE	
<b>NAME OF DISCHARGER:</b> COKE PLANT	
<b>ADDRESS:</b> 13TH AND HALLMAN STRET	
TERRE HAUTE IN	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**NFRAP**

**SEARCH ID:** 1                      **DIST/DIR:** 0.18 NW                      **MAP ID:** 2

<b>NAME:</b> INDIANA GAS and CHEMICAL CORPORATION	<b>REV:</b> 4/11/07
<b>ADDRESS:</b> 1341 HULMAN STREET	<b>ID1:</b> IND006041495
TERRE HAUTE IN 47808	<b>ID2:</b> 0501311
	<b>STATUS:</b> NFRAP-N
<b>CONTACT:</b>	<b>PHONE:</b>

**DESCRIPTION:**

<b>ACTION/QUALITY</b>	<b>AGENCY/RPS</b>	<b>START/RAA</b>	<b>END</b>
-----------------------	-------------------	------------------	------------

**SPILLS**

**SEARCH ID:** 13                      **DIST/DIR:** 0.18 NW                      **MAP ID:** 2

<b>NAME:</b> INDUSTRIAL	<b>REV:</b> 03/26/07
<b>ADDRESS:</b> 1341 HOLMAN ST	<b>ID1:</b> 199108133
TERRE HAUTE IN 47803	<b>ID2:</b>
	<b>STATUS:</b>
<b>CONTACT:</b>	<b>PHONE:</b>

**SITE INFORMATION**

**INCIDENT DATE/TIME:** 8/1/1991  
**REPORTED DATE/TIME:** 8/22/1991

<b>SPILL TYPE:</b>	HAZARDOUS
<b>REC WATER:</b>	NONE
<b>AREA AFFECTED:</b>	1 SQ MI
<b>NUMBER OF FISH KILLED</b>	0
<b>MATERIAL:</b>	UNKNOWN DRUMS
<b>SPILL AMOUNT:</b>	0
<b>SPILED UNITS:</b>	GALLONS
<b>RECOVERED AMOUNT:</b>	0
<b>RECOVERED UNITS:</b>	GALLONS
<b>CONTAINED:</b>	YES
<b>SOURCE DESCRIPTION:</b>	INDUSTRIAL

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

UST

<b>SEARCH ID:</b> 17	<b>DIST/DIR:</b> 0.18 NW	<b>MAP ID:</b> 2
----------------------	--------------------------	------------------

<b>NAME:</b> TERRE HAUTE COKE and CARBON CORP <b>ADDRESS:</b> 1341 HULMAN ST TERRE HAUTE IN 47802  <b>CONTACT:</b>	<b>REV:</b> 02/01/06 <b>ID1:</b> 20881 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
--	---

**TANK NUMBER:**  
**TANK CAPACITY:**  
**CLOSURE DATE:**  
**CLOSURE STATUS:**  
**INSTALL DATE:**  
**TANK STATUS:**  
**OWNER ID:** 12000  
**COMPANY NAME:** UNKNOWN  
  
IN

**SITE INFORMATION**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

UST

<b>SEARCH ID:</b> 16	<b>DIST/DIR:</b> 0.18 NW	<b>MAP ID:</b> 2
----------------------	--------------------------	------------------

**NAME:** INDIANA GAS and CHEMICAL CORP  
**ADDRESS:** 1341 HULMAN ST P O BOX 268  
TERRE HAUTE IN 47808

**REV:** 03/26/07  
**ID1:** 4167  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

**NUMBER OF TANK:** 3

**TANK NUMBER:** 1  
**TANK CAPACITY:** 1000  
**INSTALL DATE:**  
**TANK STATUS:** PERMANENTLY OUT OF SERVICE  
**SUBSTANCE DESCRIPTION:** UNKNOWN  
**OWNER ID:** 7410  
**COMPANY NAME:** INDIANA GAS and CHEMICAL CORP

**TANK NUMBER:** 2  
**TANK CAPACITY:** 1000  
**INSTALL DATE:**  
**TANK STATUS:** PERMANENTLY OUT OF SERVICE  
**SUBSTANCE DESCRIPTION:** UNKNOWN  
**OWNER ID:** 7410  
**COMPANY NAME:** INDIANA GAS and CHEMICAL CORP

**TANK NUMBER:** 3  
**TANK CAPACITY:** 1000  
**INSTALL DATE:**  
**TANK STATUS:** PERMANENTLY OUT OF SERVICE  
**SUBSTANCE DESCRIPTION:** UNKNOWN  
**OWNER ID:** 7410  
**COMPANY NAME:** INDIANA GAS and CHEMICAL CORP

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

NFRAP

**SEARCH ID:** 3                      **DIST/DIR:** 0.20 NE                      **MAP ID:** 3

**NAME:** VEGO CHEMICAL COMPANY  
**ADDRESS:** 1617 IDAHO STREET  
TERRE HAUTE IN 47807

**REV:** 4/11/07  
**ID1:** IND000201277  
**ID2:** 0501189  
**STATUS:** NFRAP-N  
**PHONE:**

**CONTACT:**

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
----------------	------------	-----------	-----

LUST

**SEARCH ID:** 21                      **DIST/DIR:** 0.23 NE                      **MAP ID:** 4

**NAME:** WABASH PRODUCTS  
**ADDRESS:** 1600 HULMAN STREET  
TERRE HAUTE IN 47803

**REV:** 03/26/07  
**ID1:** 199912503  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

**SITE INFORMATION**

**UST FACILITY ID:** 7187  
**PRIORITY:** Low  
**AFFECTED AREA:** SOIL  
**DESCRIPTION:** NFA-UST BRANCH GUIDANCE MANUAL

**TANK INFORMATION**

**TOTAL NUMBER OF TANKS:** 2

**TANK NUMBER:** 1  
**TANK CAPACITY:** 4000  
**INSTALL DATE:** 1/1/1975 0:00:00  
**TANK STATUS:** PERMANENTLY OUT OF SERVICE  
**COMPANY ID:** 7924  
**SUBSTANCE DESCRIPTION:** OTHER

**TANK NUMBER:** 2  
**TANK CAPACITY:** 4000  
**INSTALL DATE:** 1/1/1975 0:00:00  
**TANK STATUS:** PERMANENTLY OUT OF SERVICE  
**COMPANY ID:** 7924  
**SUBSTANCE DESCRIPTION:** OTHER

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

NFRAP

<b>SEARCH ID:</b> 4	<b>DIST/DIR:</b> 0.23 NE	<b>MAP ID:</b> 4
---------------------	--------------------------	------------------

<b>NAME:</b> WABASH PRODUCTS COMPANY INC <b>ADDRESS:</b> 1600 HULMAN STREET, BOX 3074 TERRE HAUTE IN 47803	<b>REV:</b> 4/11/07 <b>ID1:</b> IND006032593 <b>ID2:</b> 0505992 <b>STATUS:</b> NFRAP-N <b>PHONE:</b>
--	---

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
----------------	------------	-----------	-----

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**RCRA**

**SEARCH ID:** 6                      **DIST/DIR:** 0.23 NE                      **MAP ID:** 4

<b>NAME:</b> WABASH PRODUCTS CO INC	<b>REV:</b> 7/8/03
<b>ADDRESS:</b> 1600 HULMAN ST	<b>ID1:</b> IND006032593
TERRE HAUTE IN 47802	<b>ID2:</b>
VIGO	<b>STATUS:</b> TSD
<b>CONTACT:</b> WILLIAM SERBAN	<b>PHONE:</b> 8122326097

**SITE INFORMATION**

**CONTACT INFORMATION:** WILLIAM SERBAN  
V PRES ADM  
PO BOX 3074  
TERRE HAUTE IN 40783

**PHONE:** 8122326097

**UNIVERSE NAME:**

DF: LAND DISPOSAL FACILITY  
INCINERATOR  
TSDS SUBJECT TO CORRECTIVE ACT  
SUBJECT TO CEI  
ST: STORAGE AND TREATMENT  
SUBJECT TO CORRECTIVE ACTION

**SIC INFORMATION:**

2851 - MANUFACTURING - PAINTS AND ALLIED PRODUCTS

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	10-DEC-96
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	21-MAR-96
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	17-DEC-96
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	01-MAY-91
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	31-JAN-91	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	01/21/1992
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	10-DEC-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	07/01/1998
<b>TYPE:</b>	GGR - GENERATOR GENERAL REQUIREMENTS		

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**RCRA**

**SEARCH ID:** 6                      **DIST/DIR:** 0.23 NE                      **MAP ID:** 4

<b>NAME:</b> WABASH PRODUCTS CO INC	<b>REV:</b> 7/8/03
<b>ADDRESS:</b> 1600 HULMAN ST	<b>ID1:</b> IND006032593
TERRE HAUTE IN 47802	<b>ID2:</b>
VIGO	<b>STATUS:</b> TSD
<b>CONTACT:</b> WILLIAM SERBAN	<b>PHONE:</b> 8122326097

<b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	10-DEC-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	07/01/1998
<b>TYPE:</b>	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0004	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	10-DEC-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	07/01/1998
<b>TYPE:</b>	DOR - TSD OTHER REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0005	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	10-DEC-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	07/01/1998
<b>TYPE:</b>	GRR - GENERATOR RECORD KEEPING REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0006	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	10-DEC-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262C	<b>RESOLVED:</b>	07/01/1998
<b>TYPE:</b>	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRAGN

**SEARCH ID:** 11                      **DIST/DIR:** 0.23 NE                      **MAP ID:** 4

<b>NAME:</b> WABASH PRODUCTS CO INC	<b>REV:</b> 6/6/06
<b>ADDRESS:</b> 1600 HULMAN ST	<b>ID1:</b> IND006032593
TERRE HAUTE IN 47802	<b>ID2:</b>
VIGO	<b>STATUS:</b> SGN
<b>CONTACT:</b> MATTHEW NIEMIEC	<b>PHONE:</b> 8122326097

**SITE INFORMATION**

**CONTACT INFORMATION:** LARRY RARDIN  
1600 HULMAN ST  
TERRE HAUTE IN 47802

**PHONE:** 8122326097

**CONTACT INFORMATION:** MATTHEW NIEMIEC  
1600 HULMAN ST  
TERRE HAUTE IN 47802

**PHONE:** 8122326097

**CONTACT INFORMATION:** WILLIAM SERBAN  
PO BOX 3074  
TERRE HAUTE IN 40783

**PHONE:** 8122326097

**UNIVERSE INFORMATION:**

**GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)**

<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POST CLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA COMPLIANCE MONITORING and ENFORCEMENT:</b>	N - NO

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	Y - SUBJECT TO CORRECTIVE ACTION
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO

<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	N - NO
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	---S-
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

**NAIC INFORMATION**

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRAGN

**SEARCH ID:** 11                      **DIST/DIR:** 0.23 NE                      **MAP ID:** 4

<b>NAME:</b> WABASH PRODUCTS CO INC <b>ADDRESS:</b> 1600 HULMAN ST TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b> MATTHEW NIEMIEC	<b>REV:</b> 6/6/06 <b>ID1:</b> IND006032593 <b>ID2:</b> <b>STATUS:</b> SGN <b>PHONE:</b> 8122326097
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32551 - PAINT AND COATING MANUFACTURING

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	5/1/1991
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
 <b>AGENCY:</b>	S - STATE	<b>DATE:</b>	3/21/1996
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
 <b>AGENCY:</b>	S - STATE	<b>DATE:</b>	12/10/1996
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
 <b>AGENCY:</b>	S - STATE	<b>DATE:</b>	12/17/1996
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	1/31/1991	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>			
<b>RESOLVED:</b>	1/21/1992		
<b>TYPE:</b>	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)		
 <b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	12/10/1996	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>			
<b>RESOLVED:</b>	7/1/1998		
<b>TYPE:</b>	GENERATOR-GENERAL REQUIREMENTS		
 <b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	12/10/1996	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>			
<b>RESOLVED:</b>	7/1/1998		
<b>TYPE:</b>	GENERATOR-PRE-TRANSPORT REQUIREMENTS		
 <b>VIOLATION NUMBER:</b>	0004	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	12/10/1996	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>			
<b>RESOLVED:</b>	7/1/1998		
<b>TYPE:</b>	TSD-OTHER REQUIREMENTS		
 <b>VIOLATION NUMBER:</b>	0005	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	12/10/1996	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>			
<b>RESOLVED:</b>	7/1/1998		
<b>TYPE:</b>	GENERATOR-RECORDKEEPING REQUIREMENTS		
 <b>VIOLATION NUMBER:</b>	0006	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	12/10/1996	<b>DETERMINED BY:</b>	S - STATE

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRAGN

<b>SEARCH ID:</b> 11	<b>DIST/DIR:</b> 0.23 NE	<b>MAP ID:</b> 4
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**NAME:** WABASH PRODUCTS CO INC  
**ADDRESS:** 1600 HULMAN ST  
TERRE HAUTE IN 47802  
VIGO  
**CONTACT:** MATTHEW NIEMIEC

**REV:** 6/6/06  
**ID1:** IND006032593  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 8122326097

**CITATION:** 262C  
**RESOLVED:** 7/1/1998  
**TYPE:** GENERATOR-PRE-TRANSPORT REQUIREMENTS

**HAZARDOUS WASTE INFORMATION:**

The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a to Ignitable waste

The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, b

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**SPILLS**

<b>SEARCH ID:</b> 14	<b>DIST/DIR:</b> 0.23 NE	<b>MAP ID:</b> 4
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<b>NAME:</b> INDUSTRIAL <b>ADDRESS:</b> 1600 HULLMAN ST TERRE HAUTE IN 47803  <b>CONTACT:</b>	<b>REV:</b> 03/26/07 <b>ID1:</b> 199010176 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
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**SITE INFORMATION**

<b>INCIDENT DATE/TIME:</b>	10/29/1990
<b>REPORTED DATE/TIME:</b>	10/29/1990
<b>SPILL TYPE:</b>	SPILL
<b>REC WATER:</b>	NONE
<b>AREA AFFECTED:</b>	40 FT SQ
<b>NUMBER OF FISH KILLED</b>	0
<b>MATERIAL:</b>	PAINT SOLVENT
<b>SPILL AMOUNT:</b>	50
<b>SPILLED UNITS:</b>	GALLONS
<b>RECOVERED AMOUNT:</b>	50
<b>RECOVERED UNITS:</b>	GALLONS
<b>CONTAINED:</b>	YES
<b>SOURCE DESCRIPTION:</b>	INDUSTRIAL

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

UST

<b>SEARCH ID:</b> 18	<b>DIST/DIR:</b> 0.23 NE	<b>MAP ID:</b> 4
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<b>NAME:</b> WABASH PRODUCTS <b>ADDRESS:</b> 1600 HULMAN STREET TERRE HAUTE IN 47803  <b>CONTACT:</b>	<b>REV:</b> 03/26/07 <b>ID1:</b> 7187 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
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**SITE INFORMATION**

<b>NUMBER OF TANK:</b>	2
<b>TANK NUMBER:</b>	1
<b>TANK CAPACITY:</b>	4000
<b>INSTALL DATE:</b>	1/1/1975 0:00:00
<b>TANK STATUS:</b>	PERMANENTLY OUT OF SERVICE
<b>SUBSTANCE DESCRIPTION:</b>	OTHER
<b>OWNER ID:</b>	7924
<b>COMPANY NAME:</b>	WABASH PRODUCTS COMPANY

<b>TANK NUMBER:</b>	2
<b>TANK CAPACITY:</b>	4000
<b>INSTALL DATE:</b>	1/1/1975 0:00:00
<b>TANK STATUS:</b>	PERMANENTLY OUT OF SERVICE
<b>SUBSTANCE DESCRIPTION:</b>	OTHER
<b>OWNER ID:</b>	7924
<b>COMPANY NAME:</b>	WABASH PRODUCTS COMPANY

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRAGN

<b>SEARCH ID:</b> 10	<b>DIST/DIR:</b> 0.25 NW	<b>MAP ID:</b> 5
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<b>NAME:</b> HYDRO POWER INC <b>ADDRESS:</b> 1221 HULMAN ST TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b> JOHN WHITE	<b>REV:</b> 3/11/02 <b>ID1:</b> IND984876276 <b>ID2:</b> <b>STATUS:</b> SGN <b>PHONE:</b> 8122320156
--	--

**SITE INFORMATION**

**CONTACT INFORMATION:** JOHN WHITE  
PRES  
1221 HULMAN ST  
TERRE HAUTE IN 47802

**PHONE:** 8122320156

**CONTACT INFORMATION:** JOHN WHITE  
PRES  
PO BOX 2181  
TERRE HAUTE IN 47802

**PHONE:** 8122320156

**UNIVERSE NAME:**

SGN: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

DELNPL

<b>SEARCH ID:</b> 23	<b>DIST/DIR:</b> 0.25 SE	<b>MAP ID:</b> 6
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<b>NAME:</b> INTERNATIONAL MINERALS (E. PLANT) <b>ADDRESS:</b> LOCKPORT ROAD TERRE HAUTE IN 47808 VIGO <b>CONTACT:</b> KEN TINDALL	<b>REV:</b> 3/8/07 <b>ID1:</b> INT190010876 <b>ID2:</b> 0502150 <b>STATUS:</b> DELISTED <b>PHONE:</b> 3128869895
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**SITE INFORMATION**

**EVENT TYPE**

<b>SITE DISCOVERY BY:</b>	EPA	<b>DISCOVERY DATE:</b>	10/1/79
<b>SITE PROPOSED BY:</b>	EPA	<b>PROPOSED DATE:</b>	10/15/84
<b>FINAL LIST BY:</b>	EPA	<b>FINAL LIST DATE:</b>	6/10/86

**ACTIVITIES:** CSC MANU AND STORED BENZENE HEXACHLORIDE

**CONTAMINANTS:** VOCS,PHCCHLOROFORM  
**SOURCE OF CONTAMINATION:**

**CONTAMINATED:** GROUNDWATER,SOILS,3 RESIDENTIAL WELLS  
**THREATENED:**

**EVENT TYPE**

<b>SITE DISCOVERY BY:</b>	EPA	<b>DISCOVERY DATE:</b>	10/1/79
<b>SITE PROPOSED BY:</b>	EPA	<b>PROPOSED DATE:</b>	10/15/84
<b>FINAL LIST BY:</b>	EPA	<b>FINAL LIST DATE:</b>	6/10/86

**ACTIVITIES:** CSC MANU AND STORED BENZENE HEXACHLORIDE

**CONTAMINANTS:** VOCS,PHCCHLOROFORM  
**SOURCE OF CONTAMINATION:**

**CONTAMINATED:** GROUNDWATER,SOILS,3 RESIDENTIAL WELLS  
**THREATENED:**

**CONSTRUCTION COMPLETED DATE:** 06/22/1988  
**CONSTRUCTION COMPLETED DATE:** 06/22/1988

**SITE DESCRIPTION**

Conditions at proposal (October 15, 1984): The International Minerals and Chemicals Corp. (IMC) Site covers 20 acres in Terre Haute, Virgo County, Indiana. Commercial Solvents Corp. manufactured the insecticide BHC (benzene hexachloride) at the site, known as the Terre Haute East Plant, from 1946 to 1954. IMC purchased Commercial Solvents in 1975. In 1980, IMC excavated 14,392 cubic yards of contaminated soil, piping, vegetation, and debris from the former BHC production area. Soil contaminated with BHC was also excavated at a former off-site disposal area. The excavated material was combined and deposited as a mound on 1.2 acres of East Plant property. The mound was capped with clay and fill.

Ground water at the site is contaminated with BHC isomers, according to analyses conducted by the State and EPA. The public water system supplying 63,000 residents of Terre Haute uses wells within 3 miles of the site.

Status (June 10, 1986): EPA is considering various alternatives for the site.

Status (February 11, 1991): This site is being deleted from the NPL because EPA, in consultation with the State of Indiana, has determined that all appropriate Superfund-financed response under CERCLA has been implemented, and that no further response by responsible parties is appropriate.

**- Continued on next page -**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

DELNPL

<b>SEARCH ID:</b> 23	<b>DIST/DIR:</b> 0.25 SE	<b>MAP ID:</b> 6
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<b>NAME:</b> INTERNATIONAL MINERALS (E. PLANT) <b>ADDRESS:</b> LOCKPORT ROAD TERRE HAUTE IN 47808 VIGO <b>CONTACT:</b> KEN TINDALL	<b>REV:</b> 3/8/07 <b>ID1:</b> INT190010876 <b>ID2:</b> 0502150 <b>STATUS:</b> DELISTED <b>PHONE:</b> 3128869895
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**DELETION DATE:** 02/11/1991  
**DELETION DATE:** 02/11/1991

# ***Environmental FirstSearch*** ***Site Detail Report***

**Target Property:** 1341 HULMAN ST  
 TERRE HAUTE IN 47802

**JOB:** 47802

## **LUST**

**SEARCH ID:** 20                      **DIST/DIR:** 0.33 SW                      **MAP ID:** 7

**NAME:** ULRICH CHEMICAL INC  
**ADDRESS:** 1140 LOCKPORT RD  
 TERRE HAUTE IN 47807

**REV:** 03/26/07  
**ID1:** 198604071  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**

### **SITE INFORMATION**

**UST FACILITY ID:** 20034  
**PRIORITY:** Low  
**AFFECTED AREA:** SOIL  
**DESCRIPTION:** NO PAPER FILE

## **NFRAP**

**SEARCH ID:** 2                      **DIST/DIR:** 0.33 SW                      **MAP ID:** 7

**NAME:** ULRICH CHEMICAL, INC  
**ADDRESS:** 1140 LOCKPORT ROAD  
 TERRE HAUTE IN 47807

**REV:** 4/11/07  
**ID1:** IND072081169  
**ID2:** 0505390  
**STATUS:** NFRAP-N  
**PHONE:**

**CONTACT:**

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
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**JOB:** 47802

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***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**RCRA**

**SEARCH ID:** 5                      **DIST/DIR:** 0.38 SW                      **MAP ID:** 9

<b>NAME:</b> HYDRITE CHEMICAL CO <b>ADDRESS:</b> 1330 LOCKPORT RD TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b>	<b>REV:</b> 12/9/02 <b>ID1:</b> IND984866541 <b>ID2:</b> <b>STATUS:</b> TSD <b>PHONE:</b>
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**SITE INFORMATION**

**CONTACT INFORMATION:** PETER CONSTANT  
PRES  
1330 LOCKPORT RD  
TERRE HAUTE IN 47802

**PHONE:** 6082571414

**CONTACT INFORMATION:** VALERIY KIZIK  
PLT MGR  
1330 LOCKPORT RD  
TERRE HAUTE IN 47802

**PHONE:** 8122325411

**UNIVERSE NAME:**

DF: LAND DISPOSAL FACILITY  
INCINERATOR  
TSDS SUBJECT TO CORRECTIVE ACT  
SUBJECT TO CEI  
ST: STORAGE AND TREATMENT  
SUBJECT TO CORRECTIVE ACTION

**SIC INFORMATION:**

7389 - SERVICES - BUSINESS SERVICES, NEC

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	24-NOV-97
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	08-MAY-00
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	23-FEB-00
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	27-FEB-01
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	15-FEB-91
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	19-SEP-90
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRA

**SEARCH ID:** 5                      **DIST/DIR:** 0.38 SW                      **MAP ID:** 9

<b>NAME:</b> HYDRITE CHEMICAL CO <b>ADDRESS:</b> 1330 LOCKPORT RD TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b>	<b>REV:</b> 12/9/02 <b>ID1:</b> IND984866541 <b>ID2:</b> <b>STATUS:</b> TSD <b>PHONE:</b>
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<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	10-APR-92
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	10-APR-96
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	16-JUN-98
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	30-APR-99
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	18-DEC-89
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	10-JUL-01
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	19-AUG-93
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	08-JUN-89	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	03/22/1990
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	22-AUG-90	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>		<b>RESOLVED:</b>	10/15/1993
<b>TYPE:</b>	GLB - GENERATOR LAND BAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	03-AUG-90	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/05/1991
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	08-JUN-89	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	06/06/1991
<b>TYPE:</b>	GLB - GENERATOR LAND BAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0004	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	08-JUN-89	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	06/06/1991
<b>TYPE:</b>	DLB - TSD LAND BAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0005	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	27-SEP-91	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993

- Continued on next page -

# Environmental FirstSearch

## Site Detail Report

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

### RCRA

**SEARCH ID:** 5                      **DIST/DIR:** 0.38 SW                      **MAP ID:** 9

<b>NAME:</b> HYDRITE CHEMICAL CO <b>ADDRESS:</b> 1330 LOCKPORT RD TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b>	<b>REV:</b> 12/9/02 <b>ID1:</b> IND984866541 <b>ID2:</b> <b>STATUS:</b> TSD <b>PHONE:</b>
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<b>TYPE:</b>	DPB - TSD PART B PERMIT APPLICATION		
<b>VIOLATION NUMBER:</b>	0006	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	27-SEP-91	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993
<b>TYPE:</b>	DOR - TSD OTHER REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0009	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	09-APR-92	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993
<b>TYPE:</b>	DCP - TSD CONTINGENCY PLAN REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0010	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	09-APR-92	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993
<b>TYPE:</b>	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0011	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	09-APR-92	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993
<b>TYPE:</b>	DTR - TSD TANKS REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0012	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	09-APR-92	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	12/27/1993
<b>TYPE:</b>	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0013	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	03-AUG-90	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	40 CFR 268.7(a)(6)	<b>RESOLVED:</b>	12/05/1991
<b>TYPE:</b>	GLB - GENERATOR LAND BAN REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0015	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	26-JAN-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	03/30/1995
<b>TYPE:</b>	DCP - TSD CONTINGENCY PLAN REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0016	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	26-JAN-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	03/30/1995
<b>TYPE:</b>	DOR - TSD OTHER REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0017	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	26-JAN-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	03/30/1995
<b>TYPE:</b>	DFR - TSD FINANCIAL RESPONSIBILITY REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0018	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	23-FEB-96	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	02/27/1997
<b>TYPE:</b>	DTR - TSD TANKS REQUIREMENTS		
<b>VIOLATION NUMBER:</b>	0019	<b>RESPONSIBLE:</b>	S - STATE

- Continued on next page -

# Environmental FirstSearch

## Site Detail Report

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

### RCRA

**SEARCH ID:** 5                      **DIST/DIR:** 0.38 SW                      **MAP ID:** 9

<b>NAME:</b> HYDRITE CHEMICAL CO <b>ADDRESS:</b> 1330 LOCKPORT RD TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b>	<b>REV:</b> 12/9/02 <b>ID1:</b> IND984866541 <b>ID2:</b> <b>STATUS:</b> TSD <b>PHONE:</b>
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<b>DETERMINED:</b>	21-MAY-97	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	01/23/1998
<b>TYPE:</b>	DTR - TSD TANKS REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0020	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	22-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.11	<b>RESOLVED:</b>	09/15/1998
<b>TYPE:</b>	GGR - GENERATOR GENERAL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0021	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	22-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.15	<b>RESOLVED:</b>	09/15/1998
<b>TYPE:</b>	DGS - TSD GENERAL STANDARDS		

<b>VIOLATION NUMBER:</b>	0022	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	22-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.13	<b>RESOLVED:</b>	09/15/1998
<b>TYPE:</b>	DGS - TSD GENERAL STANDARDS		

<b>VIOLATION NUMBER:</b>	0023	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	22-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.112	<b>RESOLVED:</b>	09/15/1998
<b>TYPE:</b>	DCL - TSD CLOSURE/POST CLOSURE REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0024	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	22-MAY-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.21	<b>RESOLVED:</b>	09/15/1998
<b>TYPE:</b>	DMR - TSD MANIFEST REQUESTS		

<b>VIOLATION NUMBER:</b>	0025	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	24-MAR-99	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.11	<b>RESOLVED:</b>	08/18/2000
<b>TYPE:</b>	GGR - GENERATOR GENERAL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0026	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	24-MAR-99	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.15	<b>RESOLVED:</b>	08/18/2000
<b>TYPE:</b>	DGS - TSD GENERAL STANDARDS		

<b>VIOLATION NUMBER:</b>	0027	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	24-MAR-99	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	273.14	<b>RESOLVED:</b>	08/18/2000
<b>TYPE:</b>	UWR		

<b>VIOLATION NUMBER:</b>	0028	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	11-JAN-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.193	<b>RESOLVED:</b>	05/08/2000
<b>TYPE:</b>	DTR - TSD TANKS REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0029	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	11-JAN-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.23	<b>RESOLVED:</b>	05/08/2000
<b>TYPE:</b>	GMR - GENERATOR MANIFEST REQUIREMENTS		

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***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

**RCRA**

<b>SEARCH ID:</b> 5	<b>DIST/DIR:</b> 0.38 SW	<b>MAP ID:</b> 9
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<b>NAME:</b> HYDRITE CHEMICAL CO <b>ADDRESS:</b> 1330 LOCKPORT RD TERRE HAUTE IN 47802 VIGO <b>CONTACT:</b>	<b>REV:</b> 12/9/02 <b>ID1:</b> IND984866541 <b>ID2:</b> <b>STATUS:</b> TSD <b>PHONE:</b>
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<b>VIOLATION NUMBER:</b>	0030	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	06-APR-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.11	<b>RESOLVED:</b>	01/11/2002
<b>TYPE:</b>	GGR - GENERATOR GENERAL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0031	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	29-DEC-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.34/265.195	<b>RESOLVED:</b>	
<b>TYPE:</b>	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRACOR

<b>SEARCH ID:</b> 7	<b>DIST/DIR:</b> 0.38 SW	<b>MAP ID:</b> 9
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**NAME:** HYDRITE CHEMICAL CO  
**ADDRESS:** 1330 LOCKPORT RD  
TERRE HAUTE IN 47802

**REV:** 6/6/06  
**ID1:** IND984866541  
**ID2:**  
**STATUS:** CA  
**PHONE:** 8122325411

**CONTACT:** VALERIY KIZIK

***GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)***

<b>GPRA PERMIT:</b>	+
<b>GPRA POST CLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA COMPLIANCE MONITORING and ENFORCEMENT:</b>	N - NO

***SUBJECT TO CORRECTIVE ACTION (SUBJCA)***

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	Y - NON TSDFS WHERE CORRECTIVE ACTION HAS BEEN IMPOSED

<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	N - NO
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	---S-
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	---S-
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZA

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRACOR

<b>SEARCH ID:</b> 9	<b>DIST/DIR:</b> 0.55 SE	<b>MAP ID:</b> 10
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**NAME:** ULRICH CHEMICAL INC  
**ADDRESS:** 1400 LOCKPORT RD  
TERRE HAUTE IN 47802

**REV:** 6/6/06  
**ID1:** IND072081169  
**ID2:**  
**STATUS:** CA  
**PHONE:** 3178988632

**CONTACT:** SHAWN P WIRAM

***GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)***

<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POST CLOSURE:</b>	N - NO
<b>GPRA CA:</b>	Y - GOVERNMENT PERFORMANCE AND RESULT ACT - CORRECTIVE ACTION
<b>GPRA COMPLIANCE MONITORING and ENFORCEMENT:</b>	N - NO

***SUBJECT TO CORRECTIVE ACTION (SUBJCA)***

<b>SUBJCA:</b>	Y - SUBJECT TO CORRECTIVE ACTION
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO

<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	N - NO
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	---S-
<b>CORRECTIVE ACTION WORKLOAD:</b>	Y - CORRECTIVE ACTION WORKLOAD
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARD

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

RCRACOR

<b>SEARCH ID:</b> 8	<b>DIST/DIR:</b> 0.99 NW	<b>MAP ID:</b> 11
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**NAME:** NATIONAL STEEL PRODUCTS COMPANY  
**ADDRESS:** 1033 CRAWFORD ST  
TERRE HAUTE IN 47808

**REV:** 6/6/06  
**ID1:** IND006033880  
**ID2:**  
**STATUS:** CA  
**PHONE:** 3047972973

**CONTACT:** JOHN HALL

***GOVERNMENT PERFORMANCE AND RESULTS ACT (GPRA)***

<b>GPRA PERMIT:</b>	N - NO
<b>GPRA POST CLOSURE:</b>	N - NO
<b>GPRA CA:</b>	N - NO
<b>GPRA COMPLIANCE MONITORING and ENFORCEMENT:</b>	N - NO

***SUBJECT TO CORRECTIVE ACTION (SUBJCA)***

<b>SUBJCA:</b>	Y - SUBJECT TO CORRECTIVE ACTION
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	N - NO
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	---S-
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	N

## Environmental FirstSearch Descriptions

**NPL: EPA NATIONAL PRIORITY LIST** - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

**NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset** - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

**CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)**- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

**NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES** - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

**RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES** - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

**RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM**

TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

**RCRA GEN: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS** - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984. Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

**Federal IC / EC: EPA BROWNFIELD MANAGEMENT SYSTEM (BMS)** - database designed to assist EPA in collecting, tracking, and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield grant Programs.

**FEDERAL ENGINEERING AND INSTITUTIONAL CONTROLS-** Superfund sites that have either an engineering or an institutional control. The data includes the control and the media contaminated.

**ERNS: EPA/NRC EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)** - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**Tribal Lands: DOI/BIA INDIAN LANDS OF THE UNITED STATES** - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

**State/Tribal Sites: IN DEM HAZARDOUS WASTE INVENTORY SITE LISTING** - database of hazardous waste sites that have made the states inventory list. The data includes score, score date, contamination type, and media affected

**State Spills 90: IN DEM SPILLS REPORT** - database of all spills reported to the IDEM . Includes such data as location, material, quantity and environmental impact.

**State/Tribal SWL: IN DEM PERMITTED SOLID WASTE FACILITIES LIST** - database of permitted landfills and transfer stations

**State/Tribal LUST: IN DEM LEAKING UNDERGROUND STORAGE TANK REPORT** - database of all open, closed, and deactivated underground storage tanks in the Department of Environmental Management database.

**State/Tribal UST/AST: IN DEM UNDERGROUND STORAGE TANK REPORT** - database of all underground storage tanks registered with the Department of Environmental Management.

**State/Tribal IC: IN DEM VRP PROJECT SITE LIST(SUBSET)** – database of VRP sites that have land-use restriction/institutional controls

BRONFIELDS PROGRAM COMFORT AND SITE STATUS(Subset) – database of comfort/site status letter sites that have deed restrictions or institutional controls.

**State/Tribal VCP:** *IN DEM* VRP PROJECT SITE LIST – Database of voluntary remediation projects. The data includes applicants name and site location data. Also includes dates for certificates of completion and land-use restrictions/institutional controls.

**State/Tribal Brownfields:** *IN DEM* BROWNFIELD PROGRAM SITE LISTING - database of sites that are receiving assistance through the State Brownfield Program and reflects services in progress as well as those that have been completed

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

***Environmental FirstSearch***  
***Street Name Report for Streets within .25 Mile(s) of Target Property***

**Target Property:** 1341 HULMAN ST  
TERRE HAUTE IN 47802

**JOB:** 47802

Street Name	Dist/Dir	Street Name	Dist/Dir
Foulkes Dr	0.22 NW		
Hulman St	0.15 N-		
Idaho St	0.19 NE		
Mahan Ave	0.11 NE		
Mc Keen St	0.22 SE		
S 12th St	0.22 NW		
S 13th 1/2 St	0.18 NW		
S 13th St	0.15 NW		
S 14th St	0.15 NW		
S 15th St	0.15 NE		
S 17th St	0.22 NE		
Seabury Ave	0.22 NW		
SOUTH 12th St	0.22 NW		
SOUTH 13th 1/2 St	0.18 NW		
SOUTH 13th St	0.15 NW		
SOUTH 14th St	0.15 NW		
SOUTH 15th St	0.15 NE		
SOUTH 17th St	0.22 NE		

## **Appendix B**

## Title Search

OFFICE NUMBER: 199885

DATE: September 18, 2007

SINCE: October 28, 1935

NAME: Vigo County Commissioners

### DESCRIPTION:

Part of Lots 1, 2, 3 and 4, W. B. Tuell's Subdivision of the West Half of the Northeast Quarter of Section 34, Township 12 North, Range 9 West, particularly described as follows:

Commencing at the Northwest Corner of the Northeast Quarter of Section 34, Township 12 North, Range 9 West, Harrison Township, Vigo County, Indiana; thence South 89 degrees 38 minutes 35 seconds West 24.30 feet to the P.O.T. (Point-On-Tangent) at the intersection of Hulman Street and 13th Streets; thence South along and with the centerline of 13th Street 1612.80 feet to the place of beginning;

Thence North, along and with the centerline of 13th Street 1612.80 feet to the centerline of Hulman Street; thence North 89 degrees 38 minutes 25 seconds East, along the centerline of said street 900.0 feet; thence South, parallel to the centerline of 13th Street 875.90 feet; thence right, on a curve to the right (radius = 523.29 feet) 274.00 feet with a chord bearing South 47 degrees 09 minutes 58 seconds West 270.89 feet; thence right on a curve to the right (radius = 769.13 feet) 143.20 feet with a chord bearing South 67 degrees 30 minutes 03 seconds West 142.99 feet; thence South 72 degrees 50 minutes 05 seconds West 103.0 feet; thence left on a curve to the left (radius = 622.83 feet) 375.0 feet, with a chord bearing South 55 degrees 35 minutes 09 seconds West 369.36 feet; thence South 32 degrees 07 minutes 37 seconds West 312.34 feet to the place of beginning, and containing 24.537 Acres, more or less; SUBJECT to an easement 30 feet wide off the west side for 13th Street and SUBJECT to an easement 32.5 feet wide off the north side for Hulman Street.

EXCEPT A part of Lots 1, 2, 3, 4 and 5 in W.B. Tuell's Subdivision of the West Half of the Northeast Quarter of Section 34, Township 12 North, Range 9 West in the City of Terre Haute, Vigo County, Indiana, described as follows: Commencing at the Northwest Corner of the Northeast Quarter of said section; thence S 89° 33' 47" W, from the said corner 7.407 meters (24.30 feet) to the intersection of Hulman Street and 13th Street; thence S 00° 03' 32" E, 491.581 meters (1612.80 feet) along said centerline; thence N 32° 04' 05" E, 17.195 meters (56.41 feet) along a prolongation of the south line of the grantor's land to the existing east right of way of 13th Street and the point of beginning of this description; thence N 00° 03' 32" W, 467.180 meters

(1532.74 feet) along said existing right of way to a point on the existing south right of way right of Hulman Street; thence N 89° 33' 47" E, 6.856 meters (22.49 feet) along said existing right of way; thence S 00° 03' 32" E, 456.302 meters (1497.05 feet) along said right of way to the south line of the grantor's land; thence S 32° 04' 05" W, 12.892 meters (42.30 feet) along said south line to the point of beginning of this description, containing 0.316 hectare (0.782 acre) more or less.

1 TAXES FOR 2006 PAYABLE IN 2007

Taxing Unit: Harrison  
In Name Of: Vigo County Commissioners  
Description: Tuell Sub W-1/2 NE Prt Lots 1-2-3-4 23.728 AC Exc Prt To ROW  
Parcel No.: 84-06-34-201-001.000-002  
Assessed Values: Land: \$66,400  
Improvements: \$0  
Exemptions: \$66,400 Govt Owned Non Taxable  
Spring Installment: \$0  
Fall Installment: \$0

Taxes, exemptions and assessments for 2007 payable 2008, and any recharges for prior years are liens, but the duplicates are not yet in the Treasurer's Office. See Treasurer's Office for amounts due.

NOTE: The parcel numbers are provided for information only. The Company neither guarantees nor insures the accuracy or completeness thereof. You are advised that you should not rely upon these numbers and should independently verify the accuracy thereof.

2. Gas Pipe Line Right of Way Agreement between Indiana Gas & Chemical Corporation and Universal Gas Company, dated September 14, 1935 and recorded October 29, 1935 in Deed Record 205, page 32.
3. Gas Pipe Line Right of Way Agreement between Wabash Coke & Warehouse Company and Universal Gas Company, dated September 14, 1935 and recorded October 29, 1935 in Deed Record 205, page 34.
4. Deed from Indiana Consumers Gas & By-Products Company to Indiana Gas & Chemical Corporation, dated September 13, 1935 and recorded February 7, 1940 in Deed Record 217, page 66.
5. Release of Trust Indenture, dated December 29, 1927 and recorded December 29, 1938 in Miscellaneous Record 81, page 4.

6. Deed from Chicago, Milwaukee, St. Paul and Pacific Railroad Company to Chicago, Terre Haute and Southeastern Railway Company, dated November 23, 1945 and recorded November 28, 1945 in Deed Record 238, page 75.
7. Terre Haute Storage Warehouse Lease Agreement by and between Highland Warehouses, Inc. and The Quaker Maid Company, Inc., dated April 30, 1947 and recorded May 14, 1947 in Miscellaneous Record 102, page 525.
8. Anchor Permit unto Public Service Company of Indiana, inc., dated October 31 1957 and recorded December 13, 1957 in Deed Record 307, page 96.
9. Quit Claim Deed from Wabash Coke and Warehouse Company to Indiana Gas and chemical Corporation, dated December 6, 1978 and recorded December 8, 1978 in Deed Record 376, page 757.

Pipeline Easement Grant between CMC Real Estate Corporation and Indiana Gas & Chemical Corporation, dated December 16, 1987 and recorded January 11, 1988 in Deed Record 412, page 756.

11. Corrective Pipeline Easement Grant between CMC Real Estate Corporation and Indiana Gas & Chemical Corporation, dated November 21, 1988 and recorded November 23, 1988 in Deed Record 416, page 490.
12. Survey, recorded July 11, 1989 in Miscellaneous Record 197, page 722.
13. Survey, recorded December 14, 19 in Miscellaneous Record 198, page 383.
14. Corporate Warranty Deed from Indiana Gas & Chemical Corporation to Terre Haute Coke & Carbon Corp., dated December 14, 1989 and recorded December 14, 1989 in Deed Record 420, page 885.
15. Real Estate Mortgage and Security Agreement between Terre Haute Coke & Carbon Corp. and Indiana Gas & Chemical Corporation, dated December 14, 1989 and recorded December 14, 1989 in Mortgage Record Y-19, page 303.

Open-end Mortgage for \$1,500,000.00 from Terre Haute coke & Carbon Corp. to Welsh Coal & Coke Co., dated December 14, 1989 and recorded January 2, 1990 in Mortgage Record Y-19, page 430.

Sworn Statement and Notice of Intention to Hold Mechanic's Lien, dated January 18, 1991 and recorded January 18, 1991 in Lien Record 7, page 415.

18. Notice of Intention to Hold Mechanic's Lien, dated February 20, 19991 and recorded February 21, 1991 in Lien Record 7, page 457.

19. Sworn Statement and Notice of Intention to Hold Mechanics Lien, dated April 9, 1991 and recorded April 9, 1991 in Lien Record 7, page 500.
20. Sworn Statement and Notice of Intention to Hold Mechanic's Lien, dated April 15, 1991 and recorded April 15, 1991 in Lien Record 7, page 512.
21. Assignment of Release Agreement, dated April 24, 1991 and recorded May 17, 1991 in Release/Assignment Record 54, page 746.
22. Vigo Superior Court, Division 1, Indiana Gas & Chemical Corporation vs. Terre Haute Coke & Carbon Corp., etal, Cause No. 84D01-9205-CP-678, filed May 5, 1992.
23. Assignment of Real Estate Mortgage Record Y-19, page 430 to Massey Coal Sales Co., Inc., dated July 15, 1992 and recorded August 5, 1992 in Release/Assignment Record 61, page 816.

Corporate Limited Warranty Deed from Indiana Gas & Chemical Corporation to Terre Haute Gas Corporation, dated October 27, 1993 and recorded December 2, 1993 in Deed Record 438, page 2212.

Tax Title Deed to County, dated March 14, 2002 and recorded April 3, 2002 as Instrument No. 200208987.

26. Tax Title Deed to County, dated March 14, 2002 and recorded April 3, 2002 as Instrument No. 200208990.

27. Quit Claim Deed from The County of Vigo, by and through its Board of Commissioners to The City of Terre Haute, Vigo County, Indiana, through its Board of Public Works and Safety, dated August 24, 2005 and recorded September 20, 2005 as Instrument No. 2005017566.

Quitclaim Deed from CMC Heartland Partners to Railroad Properties, LLC, dated June 25, 2004 and recorded November 19, 2004 as Instrument Record 2004026248.

Quit Claim Deed from City Terre Haute by and through its Department of Redevelopment to City of Terre Haute by and through its Board of Public Works and Safety, dated August 8, 2005 and recorded August 23, 2005 as Instrument Record 2005015433.

Quitclaim Deed from Time Warner Entertainment Company, L.P. to the City of Terre Haute, Vigo County, Indiana, through its Department of Engineering, dated May 4, 2006 and recorded August 2, 2006 as Instrument Record 2006015499.

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31. Quit Claim Deed from The County of Vigo, by and through its Board of Commissioners to The City of Terre Haute, Vigo County, Indiana, through its Board of Public Works and Safety, dated August 24, 2005 and recorded September 20, 2005 as Instrument Record 2005017566. FOR REFERENCE
32. Grant of Permanent and Temporary Easements from The Board of Commissioners of Vigo County to the City of Terre Haute, Indiana for the use and benefit of the Sanitary District of the City of Terre Haute, Indiana, dated May 10, 2005 and recorded December 14, 2005 as Instrument Record 2005023188.
33. Grant of Permanent and Temporary Easements from City of Terre Haute, by and through its Department of Redevelopment to the City of Terre Haute, Indiana for the use and benefit of the Sanitary District of the City of Terre Haute, Indiana, dated June 29, 2005 and recorded December 14, 2005 as Instrument Record 2005023190.

EXAMINATION FOR JUDGMENTS ETC. MADE AGAINST THE FOLLOWING:

<u>Name</u>	<u>From</u>	<u>To</u>	<u>FINDINGS</u>
Terre Haute Coke & Carbon Corp.	9/17/97	4/4/02	None
Indiana Gas & Chemical	9/17/97	4/4/02	None
County of Vigo, by & through its Board of Commissioners	Not Searched		

The undersigned hereby certifies that the above accurately reflects all changes or recorded encumbrances upon the title to described real estate from the SINCE DATE shown above to and that all instruments noted are regular unless otherwise shown or attached.

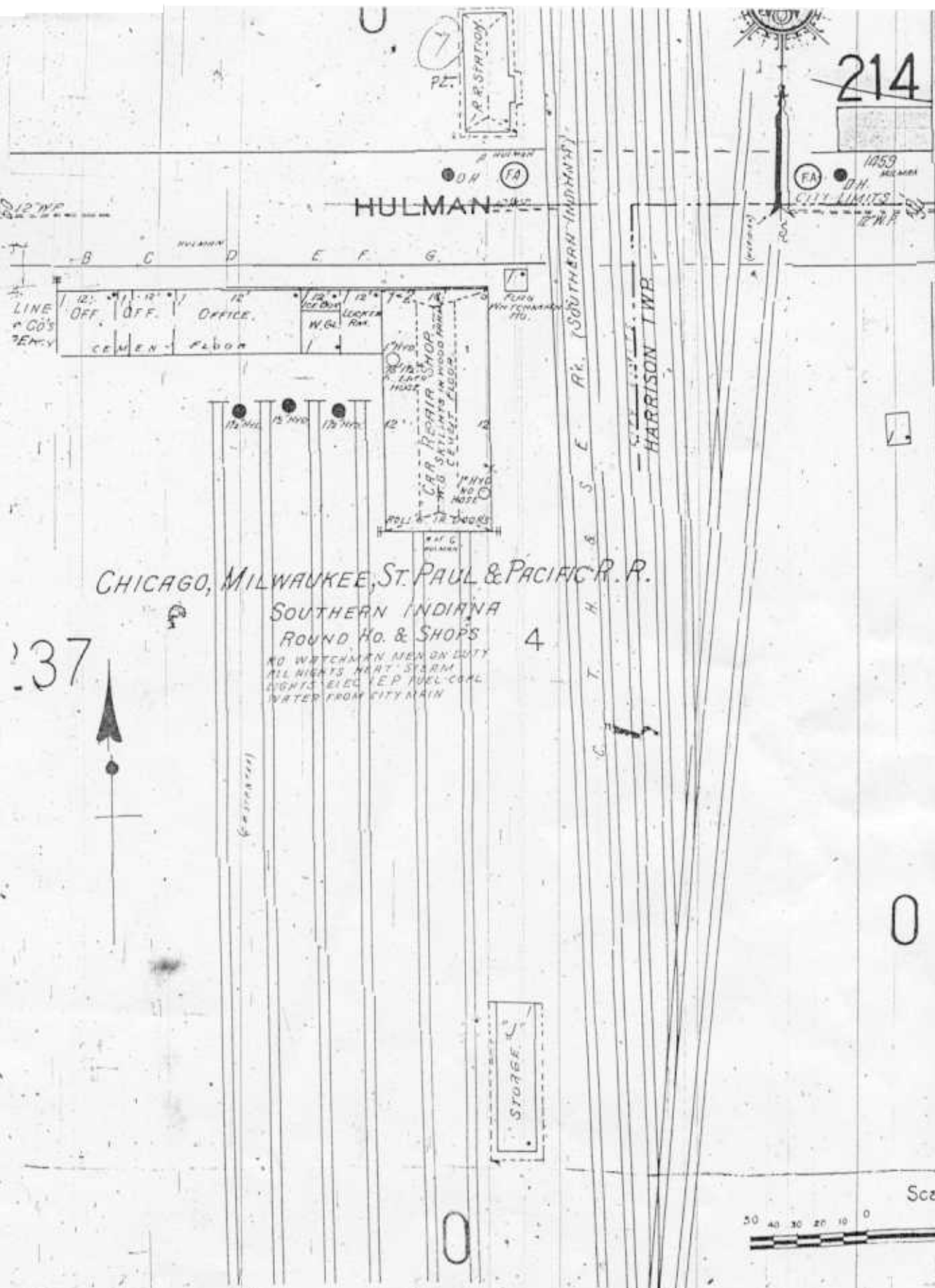
Vigo-Wade Abstract and Title Company

  
Jacqueline J. McAllister, President

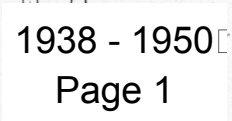
Note: The liability of Vigo-Wade Abstract & Title Insurance Co., Inc. under this Report of Search is limited to \$500.00.

## **Appendix C**





U

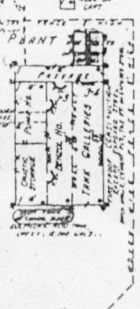
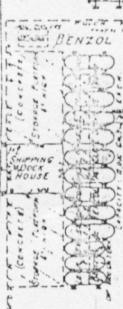
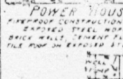
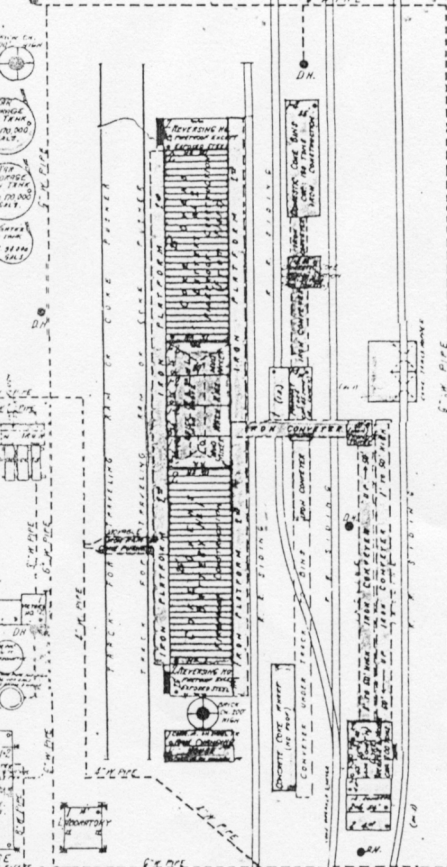
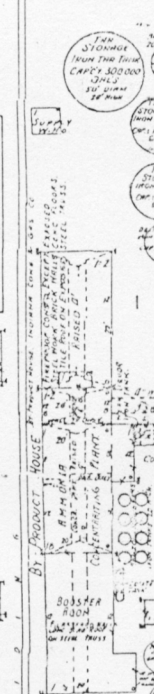
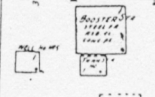
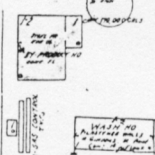
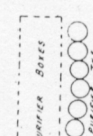
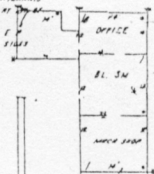


3 WELLS, 10" DIA. 11  
ARTIC CENTRIFUGAL ELECTRIC  
PIPE. (TO HAVE ONE MORE WELLS)



# INDIANA GAS & CHEMICAL CORP. MINE GAS, COKE, BENZOL, AMMONIA, TAR ETC.

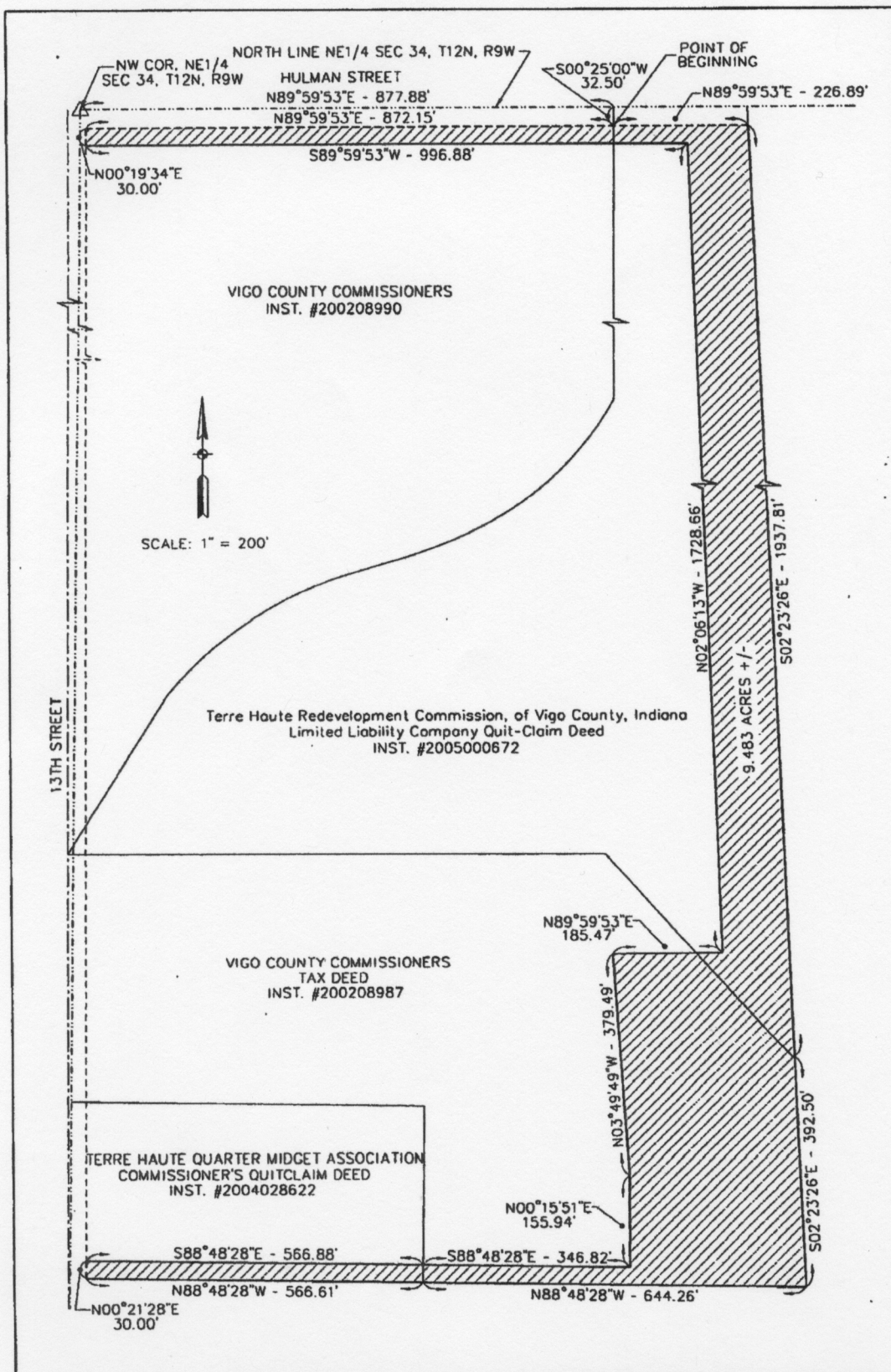
WATERMAIN: CENTRAL SUPPLY, MINIMUM WATER SUPPLY FROM 3.40 MILES  
75' DEEP, CAPACITY 500 GALS PER MIN. EACH, WATER PUMPED TO  
STRAND PIPE CAPACITY 50,000 GALS. BY 2 ELECTRICALLY DRIVEN  
CENTRIFUGAL PUMPS (200 HP EACH) WITHIN 5' CAPACITY 10,000  
GALS PER MIN. EACH, WATER PUMPED DIRECT TO STRAND &  
STRAND PIPE - STRAND PIPE PRESSURE ABOUT 40 LBS. AT  
SURFACE OF GROUND - UNDERWATER FIRE PUMP USE 40 LBS. AT  
CAPACITY 100 GALS PER MIN. - PUMPING DIRECT TO STRAND  
WITHIN 5' FIRE PRESSURE OF 100 TO 150 LBS. - 700000 GALLONS  
500' 24" HOSE IN TWO HOSE HOUSES. CITY FIRE WTD. AT  
FIRE PUMP HOUSE. HEAT, STEAM, LIGHTS, ELECTRIC  
FUEL, COAL, & GAS. POWER, STEAM & ELECTRIC 110  
EFT. 1000000 WIRE PRICE ENCLOSED PREPARED ON ALL SIZES



1972

## **Appendix D**

4000043



## CONTAMINATED SOIL REMEDIATION AREA

**AMERICAN CONSULTING, INC.**

Architects  
Consultants  
Engineers

Copyright (C) 1966-2005 by American Consulting, Inc.

7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-3917  
(317) 547-5580 FAX: (317) 543-0270

DATE: 05-03-05

DRAWN BY: JNH

JOB NO. 04-396

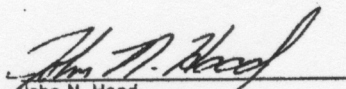
SHEET NO.

1  
of  
2

Land Description  
Contaminated Soil Remediation Area  
9.483 Acres +/-  
May 3, 2005

A Part If Lots 1,2,3,4,5,6, & 7 in W.B. Tuell's Subdivision of the West Half of the Northeast Quarter of Section 34, Township 12 North, Range 9 West, Harrison Township, Vigo County, Indiana, being more particularly described as follows:

Commencing at the Northwest Corner of the Northeast Quarter of Section 34, Township 12 North, Range 9 West; thence North 89 degrees 59 minutes 53 seconds East (assumed bearing) 877.88 feet along the North line of said Northeast Quarter to the western line of a tract of land granted to Terre Haute Redevelopment Commission ("Redevelopment Tract") recorded in Instrument #2005000672 in the Office of the Recorder of Vigo County, Indiana; thence South 00 degrees 25 minutes 00 seconds West 32.50 feet along said western line to the southern right-of-way line of Hulman Street, said point being the POINT OF BEGINNING of this description; thence North 89 degrees 59 minutes 53 seconds East 226.89 feet along said southern right-of-way line to the eastern line of said "Redevelopment Tract"; thence South 02 degrees 23 minutes 26 seconds East 1,937.81 feet along said eastern line to the northern boundary line of a tract of land granted to Vigo County Commissioners ("Vigo Tract") recorded in Instrument #200208987 in said Office of the Recorder; the next two courses are along the eastern and southern boundary lines of said "Vigo Tract": (1) thence continue South 02 degrees 23 minutes 26 seconds East 392.50 feet; (2) thence North 88 degrees 48 minutes 28 seconds West 644.26 feet to the eastern line of a tract of land granted to Terre Haute Quarter Midget Association ("Midget Tract") recorded in Instrument #2004028622 in said Office of the Recorder; thence continue North 88 degrees 48 minutes 28 seconds West 566.61 feet along the southern line of said "Midget Tract" to the eastern right-of-way line of 13th Street; thence North 00 degrees 21 minutes 28 seconds East 30.00 feet along said eastern right-of-way line; thence South 88 degrees 48 minutes 28 seconds East 566.88 feet to the eastern line of said "Midget Tract"; thence continue South 88 degrees 48 minutes 28 seconds East 346.82 feet; thence North 00 degrees 15 minutes 51 seconds East 155.94 feet; thence North 03 degrees 49 minutes 49 seconds West 379.49 feet; thence North 89 degrees 59 minutes 53 seconds East 185.47 feet; thence North 02 degrees 06 minutes 13 seconds West 1,728.66 feet; thence South 89 degrees 59 minutes 53 seconds West 996.88 feet to the eastern right-of-way line of 13th Street; thence North 00 degrees 19 minutes 34 seconds East 30.00 feet along said eastern right-of-way line to the southern right-of-way line of Hulman Street; thence North 89 degrees 59 minutes 53 seconds East 872.15 feet along said southern right-of-way line to the POINT OF BEGINNING containing 9.483 acres, more or less.

  
John N. Hood  
Reg. L.S. No. 20200017  
State of Indiana



**CONTAMINATED SOIL REMEDIATION AREA**

**AMERICAN CONSULTING, INC.**

Architects  
Consultants  
Engineers

7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-3917  
(317) 547-5580 FAX: (317) 543-0270

Copyright (C) 1966-2005 by American Consulting, Inc.

DATE: 05-03-05

DRAWN BY: JNH

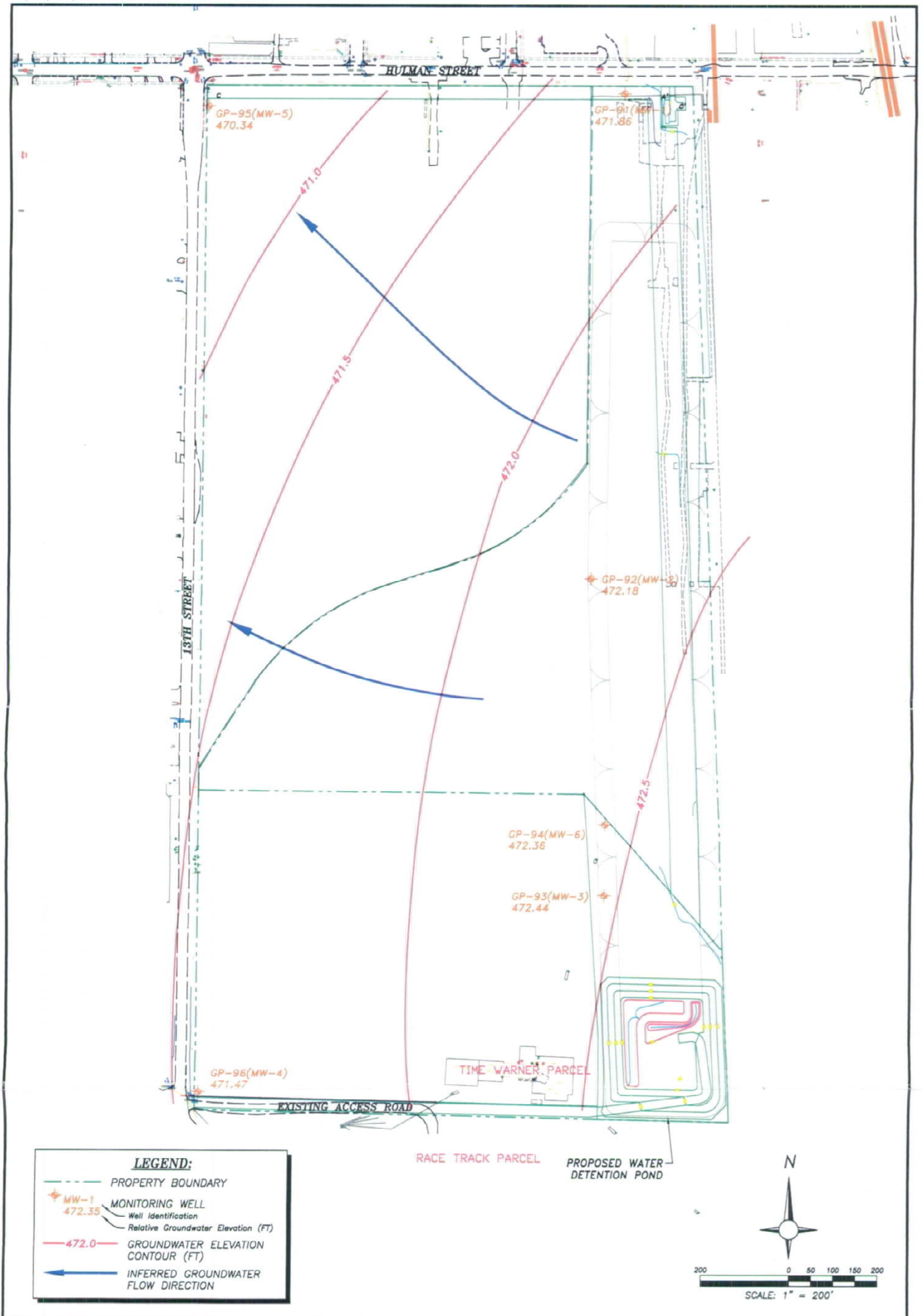
JOB NO. 04-396

SHEET NO.


2  
of  
2

## **Appendix E**

**Figures**

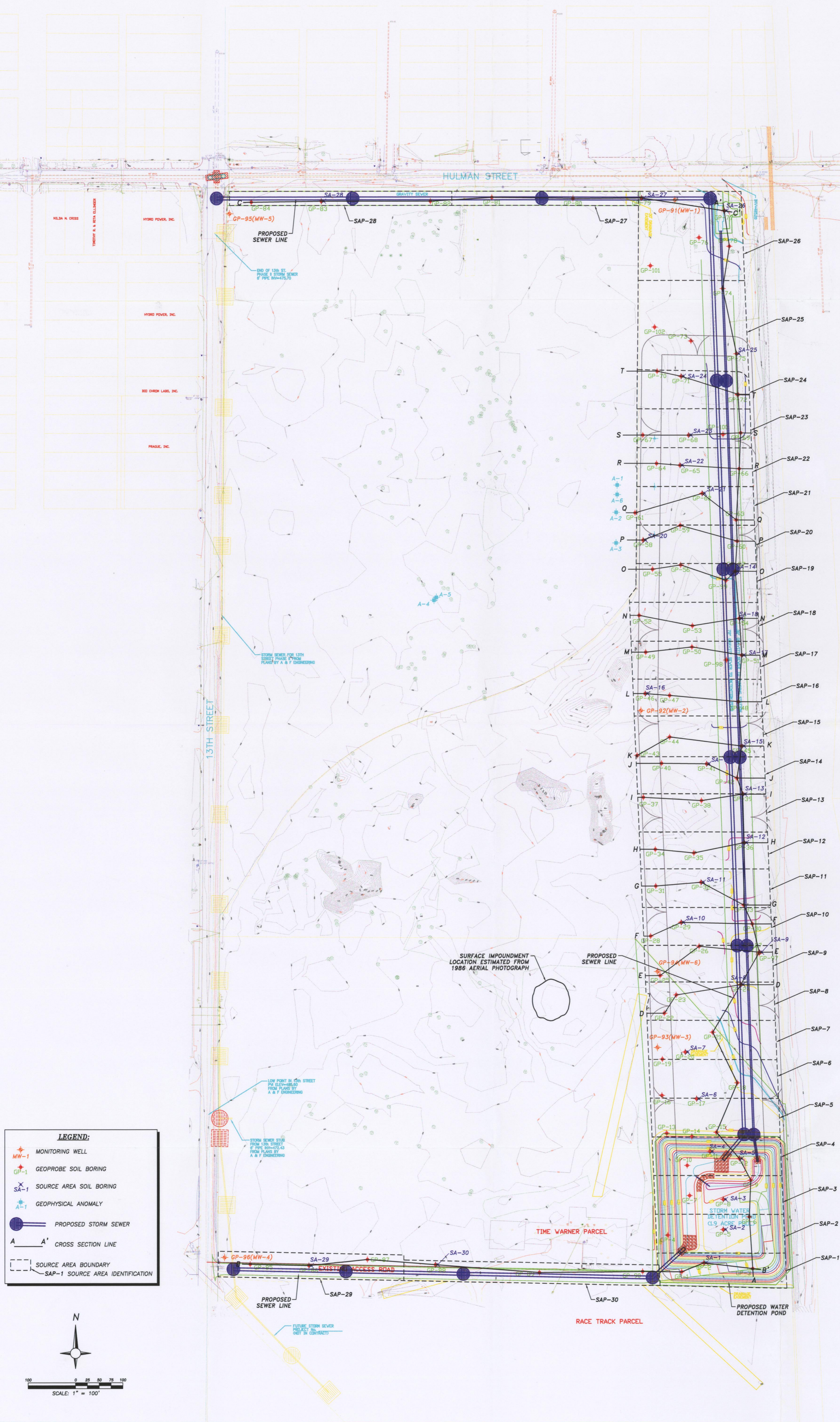


**GROUNDWATER POTENTIOMETRIC SURFACE MAP (6-17-05)**  
 REMEDIATION WORK PLAN  
 HULMAN STREET STORM SEWER OUTLET PROJECT  
 1341 HULMAN STREET  
 TERE HAUTE, INDIANA

Project Number: 86.00481.0133	Dm. By: EB
Drawing File: 00481-133A	Ckd. By: CB
	App'd By:
	Ckd. Date:

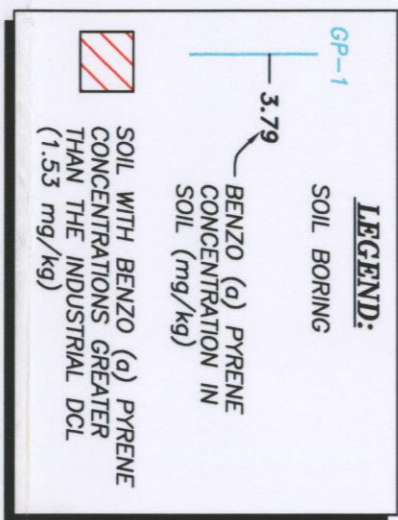
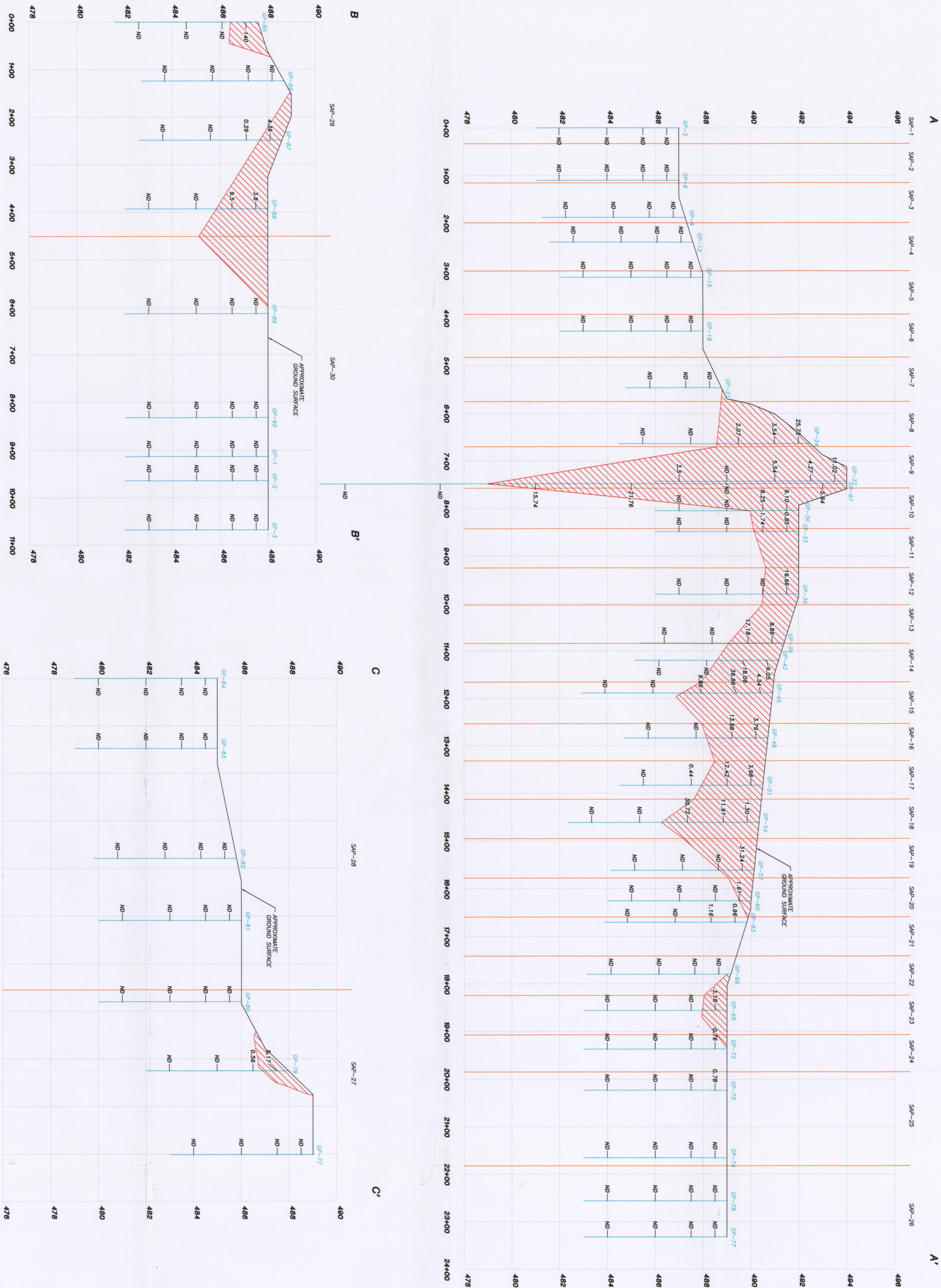
Date:  
6/05  
Scale:  
AS SHOWN  
Figure:  
1











SCALE:  
HORIZONTAL: 1" = 100'  
VERTICAL: 1" = 2'

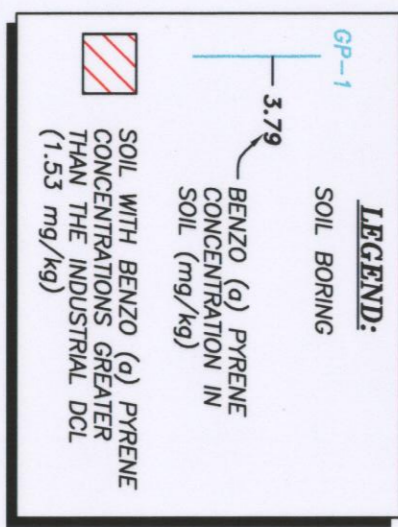
Drawing Title: CROSS SECTION A-A', B-B' AND C-C'



7988 Centerpoint Drive, Suite 100  
Indianapolis, Indiana 46256-3345  
317.849.4990, Fax 317.849.4278, www.atc-enviro.com

Company Name:  
REMEDIAL WORK PLAN  
HULMAN STREET STORM SEWER OUTLET PROJECT  
1341 HULMAN STREET  
TERR HAUTE, INDIANA

Project Number	00481-133
Revision Number	00481-133B
Date	5/7/05
Author	JACOBSON
Drawn By	CS
Checked By	CS
Approved By	



SCALE:  
HORIZONTAL: 1" = 100'  
VERTICAL: 1" = 2'

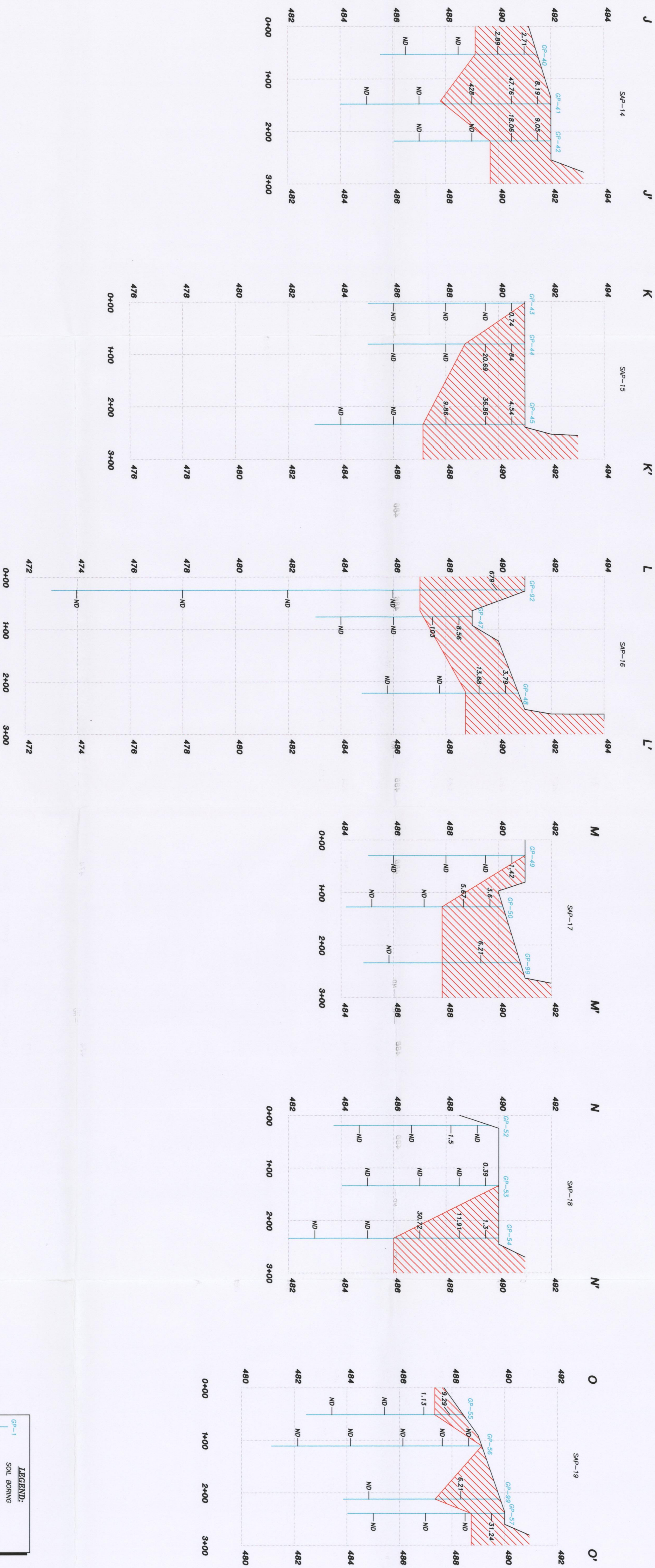
Drawing Title: **CROSS SECTION D-D', E-E', F-F', G-G, H-H' AND I-I'**



Company Name:

REMEDIAION WORK PLAN  
HULMAN STREET STORM SEWER OUTLET PROJECT  
1341 HULMAN STREET  
TERR HAUTE, INDIANA

[illegible]



**LEGEND:**  
GP-1 SOIL BORING  
3.78 BENZENE CONCENTRATION IN SOIL (mg/kg)  
SOIL WITH BENZENE CONCENTRATIONS GREATER THAN THE INDUSTRIAL DCL (1.33 mg/kg)

SCALE:  
HORIZONTAL: 1" = 100'  
VERTICAL: 1" = 2'

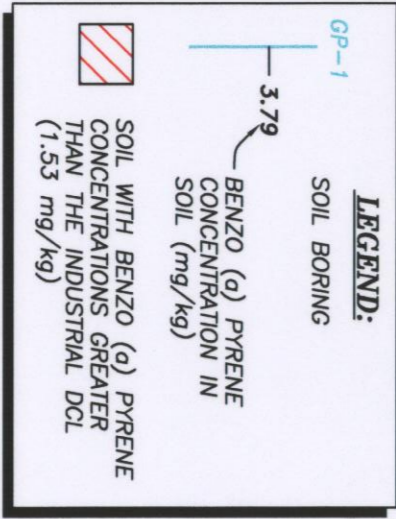
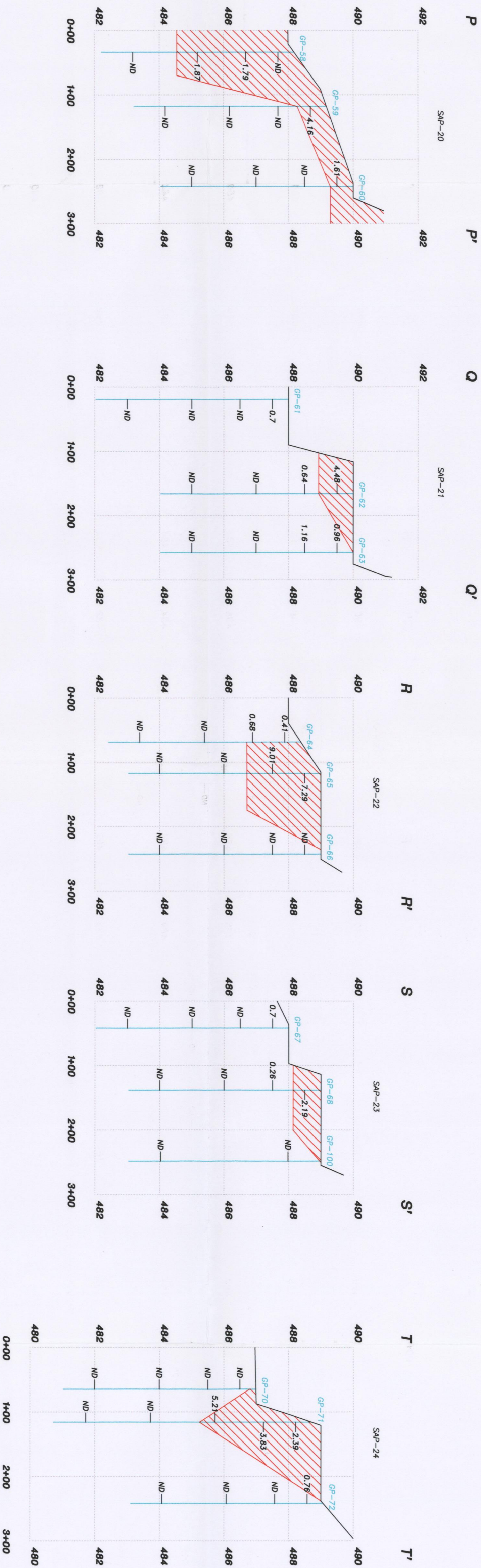
Drawing Title:  
**CROSS SECTION J-J', K-K', L-L', M-M', N-N', AND O-O'**



7988 Centerpoint Drive, Suite 100  
Indianapolis, Indiana 46256-3345  
317.849.4990, Fax 317.849.4278, www.atc-enviro.com

Company Name:  
REMEDATION WORK PLAN  
HULMAN STREET STORM SEWER OUTLET PROJECT  
1341 HULMAN STREET  
TERR HAUTE, INDIANA

Project Number:	00481-0133
Revision:	00481-133B
Scale:	AS SHOWN
Drawn By:	CL
Check By:	CL
Approved By:	



**SCALE:**  
HORIZONTAL: 1" = 100'  
VERTICAL: 1" = 2'

Project Name:	Remediation Work Plan
Project Number:	00481-1338
Project Date:	5/7/05
Project Location:	1341 HULMAN STREET TERR HAUTE, INDIANA
Client:	ATC
Scale:	1" = 100'
Author:	
Reviewer:	
Approver:	

Company Name:  
REMEDIAL WORK PLAN  
HULMAN STREET STORM SEWER OUTLET PROJECT  
1341 HULMAN STREET  
TERR HAUTE, INDIANA

**ATC**  
ASSOCIATES INC.  
7988 Centerpoint Drive, Suite 100  
Indianapolis, Indiana 46256-3345  
317.849.4990, Fax 317.849.4278, www.atc-enviro.com

Drawing Title:  
**CROSS SECTION P-P', Q-Q', R-R', S-S', AND T-T'**

Figure:

## Tables

Table 1  
Relative Groundwater Elevations  
Hulman Street  
13th and Hulman  
Terre Haute, IN

Well I.D. (ft)	Casing Elevation	Ground Surface	Depth to Water (ft)	Relative Water Elevation (ft)
MW-1	492.74	489.55	20.88	471.86
MW-2	493.76	490.95	21.58	472.18
MW-3	492.27	488.89	19.83	472.44
MW-4	490.32	487.73	18.85	471.47
MW-5	488.53	485.64	18.19	470.34
MW-6	494.01	490.77	21.65	472.36
W.L. measured on June 17, 2005				



**Appendix A**

**Field Information Form**

Facility: Hulman Street		Location: 1341 Hulman Street, Terre Haute, Indiana					
Well Number		MW-1	MW-2	MW-3	MW-4	(Duplicate)	MW-6
Water level and well information:							
Date and Time of Measurement		06/17 11:15	06/17 11:05	06/17 10:50	06/17 11:40	06/17 11:25	06/17 10:55
Elevation of reference point (TOC), MSL		492.74	493.76	492.27	490.32	488.53	494.01
Depth to water, ft (DTW)		20.88	21.58	19.83	18.85	18.19	21.65
Static Water Elevation (TOC-DTW)		471.86	472.18	472.44	471.47	470.34	472.36
Total well depth, ft (TD)		25.20	25.15	25.25	20.95	24.80	25.00
Well diameter, inches (WD)		2.0	2.0	2.0	2.0	2.0	2.0
Purging Information:							
Date and time purging begun MM/DD		6/17 14:45	6/17 14:00	6/17 12:30	6/17 15:25	6/17 16:25	6/17 13:10
Date and time purging completed		6/17 14:50	6/17 14:05	6/17 12:35	6/17 15:30	6/17 16:30	6/17 13:15
Actual volume purged (from bucket)		1,250 ml	1,250 ml	1,250 ml	1,250 ml	1,250 ml	1,250 ml
Field Analysis Information:							
Initial:							
Date and time of analysis MM/DD		06/17 14:45	6/17 14:00	6/17 12:30	6/17 15:25	6/17 16:25	6/17 13:10
pH		6.59	6.68	6.57	6.75	6.84	6.76
Specific conductance, mhos/cm		.849	.664	.565	.845	.638	.660
Temperature, °C		15.29	15.33	16.38	18.52	16.47	17.04
Final:							
Date and time of analysis MM/DD/YR		6/17 14:50	6/17 14:05	6/17 12:35	6/17 15:30	6/17 16:30	6/17 13:15
pH		6.58	6.69	6.58	6.75	6.82	6.77
Specific conductance, mhos/cm		.841	.664	.563	.840	.638	.661
Temperature, °C		15.14	15.25	16.27	18.42	16.01	17.0

Equipment blank taken @17:17 6-17-05  
Duplicate sample taken from MW-5

Facility:	Hulman Street	Date: 6/17/05
Location:	1341 Hulman Street, Terre Haute, Indiana	
Sampler(s):	Brent Crowthers	
Water level indicator used:	SLOPE INDICATOR M-SCOPE	
Purging equipment and procedure:	QED Sample Pro MicoPurge Pump	
Types of sample containers and preservatives:	VOCs: two 40-ml glass vials, HCL preservative	
Field Meter Information:		
Manufacturer and Model Number:	QED MP20 MicroPurge Flow Cell	
Calibrated by:	Brent Crowthers	
Analyzed by:	Brent Crowthers	
Sample Distribution and Transportation:	Samples submitted to PACE analytical using COC.	
Weather conditions (temp., precip., clouds, wind dir., etc.):	6/17/50, 80 F.	
Remarks:	Equipment blank prepared at 17:17, near MW-5	
	Duplicate collected from MW-5	